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2011-12 UNDERGRADUATE CATALOG



MANSFIELD UNIVERSITY 2011-12 UNDERGRADUATE BULLETIN

MANSFIELD UNIVERSITY OF PENNSYLVANIA
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ACADEMIC CALENDAR

FALL SEMESTER, 2011

University Meeting Days	Th-F	Aug 25-26
Classes Begin at 8 a.m.	M	Aug 29
Monday classes (beginning 6 p.m. and after)	F	Sept 2
Labor Day, No Classes	M	Sept 5
Last Day to DROP Classes	Sa	Sept 3
Last Day to:		
ADD Classes	Su	Sept 4
Last Day to Submit: "Credit-By-Exam" form;		
"Intent to Graduate" form for May 2012; "Pass/Fail Option" Card;	W	Sept 7
"Repeat of Course" Card		
Last Day to Submit "Incomplete" Grades	F	Sept 23
Last Day to Complete "Credit-By-Exam"	Tu	Sept 27
Fall Holiday (No Classes)	M-T	Oct 17-18
Mid-Semester Grades Due (4 p.m.)	F	Oct 28
Last Day to Withdraw from a Course	F	Nov 4
Registration for Spring Semester Begins	M	Oct 31
Thanksgiving Holiday, No Classes	Th-F	Nov 24-25
Fall Semester Classes End	F	Dec 9
Final Examination Period *	M-F	Dec 12-16
Fall Commencement	Sa	Dec 17
Fall Semester Grades Due (Noon)	M	Dec 19

SPRING SEMESTER, 2012

University Meeting Days	Th-F	Jan 19-20
Classes Begin at 8:30 a.m.	T	Jan 23
Last Day to DROP Classes	Su	Jan 28
Last Day to:		
ADD Classes	M	Jan 29
Last Day to Submit "Credit-By-Exam" form; "Intent to Graduate"		
form for December 2011; "Pass/Fail Option" Card;		
"Repeat of Course" Card	F	Jan 31
Last Day to Submit "Incomplete" grades	F	Feb 17
Last Day to Complete "Credit-by-Exam"	M	Feb 27
Spring Holiday (No Classes)	M-F	Mar 12-16
Mid-Semester Grades Due (4 p.m.)	F	Mar 23
Last Day to Withdraw from a Course	F	Mar 30
Registration For Fall Semester Begins	M	Apr 2
Spring Semester Classes End	F	May 4
Final Examination Period *	M-F	May 7-11
Spring Commencement	Sa	May 12
Spring Semester Grades Due (Noon)	M	May 14

*** Friday is reserved for make up if it is necessary for the University to cancel final exams on one of the other days.**

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HISTORY & INFORMATION

History

Mansfield University traces its heritage to 1857, when the Mansfield Classical Seminary opened. In 1862, Mansfield became a state normal school. In 1927, the institution was designated Mansfield State Teachers College, and in 1960, it broadened its degree offerings and became Mansfield State College. In 1983, it became Mansfield University. As a member of the Pennsylvania State System of Higher Education, Mansfield combines the best qualities of a small liberal arts college with the resources of a comprehensive public university.

MU Facts

The campus consists of 174 acres and 42 buildings; multiple recreation areas and playing fields; an indoor swimming pool, three auditoriums, a state-of-the-art library, a fitness center, a student union, and a child care center.

Student Enrollment

3411 enrolled in the fall of 2010: 2839 full-time and 572 part-time; 2115 female (62%), 1296 male (38%). Students come from 36 states and 19 foreign countries.

Student-Faculty Ratio

The ratio is 17:1. Approximately 70% of our classes have fewer than 30 students; 33% have fewer than 20 students; and only 6% have 50 or more students. Average class size is 27 students.

Student Financial Aid

More than 91% of undergraduate students receive financial assistance in some form. This includes federal, state, and institutional grants; as well as a variety of loans and employment.

Faculty

The University has 148 regular full-time faculty; 32% of whom are full professors and eighty five percent of permanent tenured and tenure track faculty have doctoral or other terminal degrees.

Programs of Study

The University has five associate degree programs, 34 four-year baccalaureate programs in the liberal arts and professional studies, and six master's degree programs. We also offer 47 minor areas of study.

Special Options

We offer students the opportunity to study in more than one major or develop a particular major via our B.A. in liberal studies program. Students who qualify academically may participate in an honors program, internships, independent studies, individualized instructions, and study abroad opportunities.

Accreditation

Mansfield University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104. (267-284-5000) The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

The professional education unit at Mansfield University (MU) is accredited by the National Council for Accreditation of Teacher Education (NCATE). NCATE is recognized by the U.S. Department of Education and the Council for Higher Education Accreditation as "a professional accrediting body for teacher preparation" (see <http://www.ncate.org/Public/AboutNCATE/tabid/179/Default.aspx>). Selected MU programs that prepare teachers and other educational professionals at the initial or advanced levels are nationally recognized by specialized professional associations (SPAs), which are member organizations of NCATE. For a current listing of specific Mansfield University nationally recognized SPAs, please consult the NCATE listing at http://www.ncate.org/tabid/178/Default.aspx?state=PA&CO_ID=10753. The contact information for NCATE is:

National Council for Accreditation of Teacher Education
2010 Massachusetts Ave NW, Suite 500
Washington, DC 20036
Telephone: (202) 466-7496
Fax: (202) 296-6620
General e-mail: ncate@ncate.org

Other accreditations or recognitions of professional programs are identified in the section of the catalog that describes each program.

Location

With a population of 4,000, Mansfield borough is located in the mountains of North Central Pennsylvania at the intersection of U.S. 15 and U.S. 6. It is an area noted for its quality of life, safety, and numerous recreational opportunities. The university is 45 miles north of Williamsport, PA and 30 miles south of Corning, NY. Driving time from: Harrisburg, PA, 3 hours; Scranton, PA, 2 hours; Buffalo, NY, 3 hours; Binghamton, NY, 2 hours; Philadelphia, PA, 4 hours; Pittsburgh, PA, 5 hours; New York City, 5 hours. Daily bus service, north and south, connects all points in the northeast U.S.

Region

The natural environment of the area provides numerous opportunities for outdoor recreation. These include hunting, fishing, skiing, camping, hiking, and water sports. The Pennsylvania Grand Canyon, located approximately 20 miles from our campus, and other regional state parks provide many recreational opportunities for our students. Cultural attractions include the Clemens Center for Performing Arts in Elmira, NY; Corning Museum of Glass, and The Rockwell Museum of Western Art in Corning, NY.

Cultural Activities

We offer a variety of cultural activities during the academic year. A variety of lecture and cultural series or celebrations are traditions at Mansfield. Frequent recitals by music faculty and students highlight the academic year. Fiction and poetry readings as well as other activities round out the University's cultural opportunities.

Library Facilities

The Mansfield University Library is the academic center of the campus. The renovated six-story North Hall provides an elegant 19th century setting where students can access information from around the world through our computers and wireless links to the Internet.

Residence Halls

Four residence halls house approximately 1,400 students. Housing options include special interest living areas. New suite-style residences will open in January 2012.

Calendar

Our regular academic calendar consists of a fall semester which ends before Christmas and a spring semester ending in early May. We also offer two summer sessions from May through August. Consult the online calendars for more detailed information about calendar dates and events.

MISSION STATEMENT

Our Mission

Mansfield University is dedicated to a personalized education with all programs grounded in the liberal arts. As a small, comprehensive public university, we are committed to promoting leadership development through character, scholarship, cultural awareness and service to others. Through our passion for learning, we positively influence the world.

Our Vision

The community of Mansfield University will embody the four virtues of our Creed - Character, Scholarship, Culture, and Service.

- **Character.** We will hold ourselves to the highest standards of ethical behavior, incorporating respect for self, others, and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty and advocacy through character education. Courage, integrity, and honor exemplify our core values.
- **Scholarship.** The Mansfield University community will foster a life of intellectual curiosity, celebrating the creation and dissemination of new ideas. We will embrace the use of

rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning.

- **Culture.** Mansfield University will lead the region and beyond in promoting diversity and cultural awareness. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse, we will create meaningful experiences that compel us toward understanding and compassion for all humanity.
- **Service.** Knowledge invests us with the power to improve our world and the responsibility to act. We will be engaged in our community. Our students, faculty, and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future.

In 1912, our Mansfield University student body first adopted the above values, emphasizing their order: "Character as the essential, Scholarship as the means, Culture as the enrichment, and Service as the end of all worthy endeavor." The current revision of the creed was developed by the Leadership Group of the Focus on Learning Forum and recommended to the Cabinet by the members of the Learning Forum.

STATEMENT OF DIVERSITY

Graduates of Mansfield University participate in a world that has been enriched by knowledge, insights, and traditions of diverse peoples who live and work together. An academic community that values diversity by words and actions provides the best environment in which students can learn the social skills necessary to participate and flourish in our multi-cultural environment.

The Mansfield University Council of Trustees reaffirms the purpose of Mansfield University, as stated by President Simon B. Elliot in 1912, to strive to make education universal; that the rich and the poor, the child of those who have power and place, and of those who tread the lowly paths of life, shall receive alike the blessings of education invite equally and alike, without distinction of sex, or color, or race, or creed, or party, the children of all who may desire to participate in the opportunities here offered. That is the highest purpose for which Mansfield may be praised.

ADMISSIONS

Requirements For Admission

To be considered for admission to Mansfield University students must graduate from an approved secondary school or have obtained equivalent preparation for example, the (GED) as determined by the Credentials Evaluation Division of the Pennsylvania Department of Education. Admission to the University is granted to those applicants who successfully complete college preparatory secondary school work (grades 9-12). Credentials should also include a class rank in the upper three fifths of the graduating class and a satisfactory score on the Scholastic Aptitude Test (SAT) or the American College Testing Program exam (ACT). The SAT or ACT scores are not required if the applicant is 21 years or older or has been out of high school for two or more years.

Recommended Preparatory Course Work

English	4 Credits
History or Social Studies	4 Credits
Laboratory Science (Bio, Chem)	2-3 Credits
Algebra, Plane Geometry, Algebra 2	3-4 Credits
Foreign Language	2-4 Credits
Electives (academic)	6 Credits
Total	21-25 Credits

Application Procedures

Contact the Admissions Office to receive an application, (available online at: mansfield.edu), for admission to the undergraduate programs. The Admissions Office begins accepting applications on July 1 following the student's junior year of high school. A complete application should include a \$25 non-refundable application fee as well as the following credentials:

1. An official high school transcript (an official copy must bear school seal and signature of an official).
2. An official copy of the Scholastic Aptitude Test (SAT) or American College Testing Program exam (ACT) results. Test scores reported on an official high school transcript are considered acceptable.

Deadlines For Application

Mansfield University has a rolling admissions policy. We encourage students to apply early. All applications are considered based upon academic credentials and space availability for the entry date requested. Once we receive all credentials and supporting documents, the Admissions Committee will notify you in a timely fashion. Scholarships and space in specific academic programs are also awarded on a rolling basis; therefore, it can be advantageous to apply early in the academic year.

When Offered Admission

Applicants offered admission while still enrolled in high school/college are expected to maintain or improve upon the academic scholarship presented when the credentials are initially reviewed. Failure to maintain scholarship, as reflected on final official transcripts (including class rank, grade point average, and course/credits scheduled), may result in revocation of the offer of admission.

When you have been granted admission and fail to enroll, the offer of acceptance is valid for one year from the initial entry date, provided the academic credentials have not decreased in the meantime. After one year, you must reapply for admission as a new applicant and meet the standards for acceptance current at the time of reapplication.

The university reserves the right to establish or change admission standards as it deems necessary

Admission Categories

If you meet the academic qualifications as outlined you will be offered admission to the university as a regular admit for the fall semester. Other admissions categories are described below.

Early Decision

Consideration for an early admission decision for fall entrance is given to candidates who meet prescribed academic requirements as demonstrated by their high school grades and junior year SAT/ACT scores. Those offered admission through this program also submit scores from a senior year examination of the SAT/ACT. Applicants who qualify for early decision are notified when we receive the completed application, application fee, official high school transcript, and junior year SAT/ACT scores.

An advance deposit must be paid within 30 days of the offer of admission to reserve a space in the incoming class.

Developmental Programs

If you show a potential for success in college, but do not meet the regular requirements for fall acceptance, you may be considered for one of our developmental programs. You may not have completed the recommended high school course sequence or may require preparatory course work to polish your skills. Your high school credentials may rank below the university's minimum requirements but reveal potential for future success in other ways.

Students selected for participation in a developmental program must complete preparatory course work which is based upon diagnostic-placement results and receive tutoring and advising assistance. Upon successful completion of the program, students continue in a matriculated status. There are limited spaces for enrollment in developmental programs. Students admitted into a developmental program as an Associate of Arts in Liberal Studies major may not seek a change of major until they have completed 12 academic credits above and beyond any remedial courses required (MA 0090, ENG 0090) and have a minimum of 2.75 GPA, or have completed 24 credits with a minimum of 2.00 GPA.

Dual Enrollment – College Bound Program

Our College Bound Program is for serious high school learners who know they will go to college, want to explore their potential for college work, or who want to study subjects not normally available in high school.

The College Bound Program provides opportunities on-campus, off-campus, and via distance education technologies for outstanding high school students to develop their academic potential by pursuing college course work. Students who participate in this program take liberal arts or science courses which are accepted at most colleges or universities in the U.S.

All academic courses meet departmental standards and earn Mansfield University credit. Students seeking approval to take course work through the College Bound Program must demonstrate strong potential for success at the college level.

Applicants must be recommended by their high school guidance counselor and demonstrate the ability to think critically and analytically. In recommending students for the College Bound Program, high school guidance counselors should use, but are not limited to the following guidelines: students who have pursued an academic curriculum in grades 9-12 and have demonstrated mastery of writing, mathematics, reading and study skills. College Bound applicants must also demonstrate maturity and social skills appropriate for success in college course work. Students who meet the requirements for the College Bound Program are approved to pursue course work under the category of a lifelong learner and are not admitted as matriculated students.

An approved College Bound candidate is not typically eligible for financial aid. However, students approved to take course work as a College Bound Student have their application fee waived and may be eligible for tuition discounts approved by the Pennsylvania State System of Higher Education.

Students interested in the College Bound Program must submit a Non-Degree Student Application available online at <http://admissions.mansfield.edu/apply-now/> or by phone at (570) 662-4815 or (800) 577-6826.

Dual Enrollment – Early Studies Admission

If you are a high school senior who meets our admission requirements and are interested in attending full-time in lieu of attending high school during your senior year, upon final approval and acceptance, you would be considered a first-time student at Mansfield University. All policies and procedures applicable to university first-time students apply. Should you select this option, you are responsible for obtaining permission from your high school administration or school board to attend Mansfield University in lieu of your senior year of studies within high school. We strongly recommend that you secure a written statement of approval as well as a statement assuring you that, upon successful completion of your first year of studies at Mansfield University and presentation of an official transcript

of scholastic achievement, a diploma will be awarded by your high school of origin. Any specific course requirements which must be fulfilled during the first year of college studies to satisfy requirements for a high school diploma must be identified by the guidance counselor at the time of application.

You must file an application, submit official high school transcripts, standardized test scores, and a letter of recommendation from your high school guidance counselor. The need to take any developmental course work in the basic skill areas of reading, writing, or mathematics will result in disapproval of the application.

In order to be eligible for federal financial aid consideration, a student in the early studies category must meet the following criteria:

- A student may NOT take any classes at Mansfield University that will be used to meet any high school graduation requirement. All high school coursework must have been completed prior to receiving any financial aid at the University.
- A letter from the high school guidance office confirming all coursework requirements have been met prior to University enrollment is required
- Students planning to enroll at Mansfield University for their entire senior year of high school MUST provide a letter from the school district stating that they will not be counted on the roster for reimbursement from their particular state

Non-Degree Students

High school graduates or those who hold a General Education Development (GED) certificate may choose this alternative route to take course work through the University without formally applying to the university and without taking the SAT or ACT tests.

Approval to take course work as a non-degree student does not imply or guarantee admission to the University or acceptance in a degree program, but it does offer flexible educational experiences for nontraditional students. This program enables individuals to enrich themselves, improve a particular skill for current or future employment, try college courses to see if they want to pursue a degree, or transfer credit to another institution.

Students may earn up to 30 credit hours, exclusive of developmental (0090) course work and then apply these credits toward a degree program at Mansfield University. A maximum of 11 credit hours may be scheduled during each academic semester of attendance.

Students may elect to audit courses at Mansfield University if spaces are available in appropriate courses.

The Admissions Office strongly encourages students to meet with the Coordinator of Non-Degree Students at (570) 662-4815 to make specific plans for course work. The coordinator explains transfer credits if applicable and reviews curriculum requirements.

Non-degree students are required to meet the University's minimum academic requirements. Students who fail to meet those requirements at the end of a semester may be administratively disqualified and denied future enrollment at the discretion of the Provost or Dean.

Any student who is not a U.S. citizen must provide a current, valid visa and a TOEFL score (70 electronic or 500 paper) or demonstrate English proficiency. For additional information contact the Admissions Office at (570) 662-4814 or (800) 577-6826 or visit our website at <http://admissions.mansfield.edu/more/international-students>.

Senior Citizens Program

Mansfield University offers tuition waivers to senior citizens who are receiving Social Security retirement and are at least 62 years of age (or minimum age as defined by the Federal Social Security Administration). Senior citizens may register for courses offered in the fall, spring, and summer sessions. Classes may be audited or taken for credit. Interested students complete a Senior Citizen Tuition Waiver form at the Admissions Office requiring proof of benefits (copy of monthly check or statement from the Social Security Office). Since only tuition is waived, students are charged the miscellaneous fees associated with the number of credits requested. For more information, contact the Admissions Office at (570) 662-4408 or (800) 577-6826.

Visiting Student Program

The Visiting Student Program allows students enrolled full-time at a Pennsylvania State System of Higher Education universities to enroll at sister institutions for a limited period. A student wishing to enroll at Mansfield University as a visiting student must receive permission from the home university. To qualify, a student must have satisfactorily completed at least 27 credits at the home university and be in good academic standing. A student may take a maximum of 18 credits in a single semester and up to 12 credits of summer work as a visiting student.

Applications for visiting student status are submitted to Mansfield University's Admissions Office for approval. The completed visiting student application (available from the home institution) provides verification of good academic standing. No further credentials are required for admission into the visiting student program at Mansfield University.

Each visiting student should request a Mansfield University transcript be forwarded to the home campus after courses have been completed. Mansfield University assigns credits and grades in accordance with its own policies and procedures.

Special Art/Music Program Requirements

Applicants for an art degree must satisfy general college admission requirements and present a portfolio of work to the Art Department for evaluation prior to formal acceptance into an art program. For further information contact the Art Department (570) 662-4500.

Applicants for a music degree, having satisfied the requirements for general college admission, must audition for acceptance into the music department. Acceptance is based upon a demonstration of both musical aptitude and accomplishment. For further information contact the Music Department (570) 662-4710.

Transfer Admission

Students are normally eligible for transfer admission if they have attained overall 2.0 cumulative quality point averages (GPA) at accredited post-secondary institutions. Exceptions are as follows: Radiology Technology and Respiratory Therapy, 2.3 GPA; Social Work, 2.5 GPA; Nutrition & Dietetics, 2.5 GPA; Nursing, 2.7 GPA; Education, 3.0 GPA. Credit is awarded for college level courses completed in accredited colleges/universities. "Accredited" is defined to include any of the seven regional accrediting bodies only, e.g. Middle States Commission on Higher Education for this region. Credits presented from non-accredited colleges or universities are not eligible for transfer consideration.

Applicants should contact the Office of Admissions for a transfer application or visit our website at mansfield.edu to apply online. Transfer students submit the application along with official transcript(s) from all post-secondary institutions previously attended. All information is sent to the Transfer Coordinator in the Admissions Office. Mansfield University has a rolling admissions policy. All interested applicants are encouraged to apply early. Applications will be considered based upon academic credentials and space availability for the entry date requested.

Applicants who have earned fewer than 30 credits in college level work are required to submit an official high school transcript and an official record of the SAT or ACT. The SAT or ACT scores are not required if the applicant is 21 years or older or has been out of high school for two or more years.

Students approved for transfer to Mansfield University and enrolled at another institution are granted admission on a provisional basis until all records from the previous institution have been reviewed and finalized.

Transfer Credit Evaluation

Following acceptance into the university, an evaluation of courses taken at previous institutions is made by the Transfer Coordinator in consultation with the appropriate academic departments.

Credits are evaluated on a course-by-course basis. Exceptions to this policy are specified in the State System of Higher Education Academic Passport for students transferring from Pennsylvania community colleges and transfer agreements between Mansfield

University and many two year institutions. Currently, agreements exist with Bucks County Community College, Pennsylvania Highlands County Community College, Corning Community College, Harrisburg Area Community College, Keystone College, Lackawanna College, Lehigh-Carbon Community College, Luzerne County Community College, Pennsylvania College of Technology, and Reading Area Community College.

Actual grades and the grade point average (GPA) do not transfer from any previous institution; only the credits earned transfer.

The number of credit hours that transfer from another institution cannot be more than the number awarded for completion of course work at that college/university. For example, Introductory Biology might carry three credits at another institution and three credits would be given in transfer for such course even though the equivalent biology at Mansfield is four credits. Furthermore, if a U.S. History course is four credits at another institution, four credits would be given in transfer even though U.S. History at Mansfield University is a three-credit course.

Because of the time necessary to develop skills required by the music curriculum, music students are advised to transfer as early as possible. Otherwise, it becomes increasingly difficult to complete the curriculum within the normal four-year span of time.

Credits in the music area must be validated by examination before they are accepted for transfer. This is to insure that the student is capable of successfully completing the remaining required courses.

Transfer students seeking to appeal the equivalency and/or application of their transfer credits to a degree program may do so by submitting a request in writing, with supporting documentation, to the Director of Admissions, South Hall.

Maximum Hours Accepted in Transfer

There is no limit on credits accepted from regionally accredited four year colleges and universities. Mansfield University will not accept in transfer more than 67 credit hours of coursework from two-year junior or community colleges. Students must have earned a 2.0 GPA from prior institutions to be eligible for transfer. Transfer credit will be applied as appropriate to satisfy general education courses, courses required by the major, and elective courses. To earn a Mansfield University degree, students must complete 50% of their major courses at Mansfield University and a minimum of 25% of the total degree credit requirements at Mansfield University. To complete a minor, 50% of minor requirements must be completed at Mansfield University.

Readmission of Former Students

Any degree-seeking student who has not been in attendance during the previous semester must apply for readmission to the university through the Admissions Office.

The application fee is waived for students being readmitted to the University for a degree in progress.

Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission. Before students are readmitted, they must clear all outstanding University-related debts

Academic Amnesty

The Academic Amnesty Policy is a means to allow certain students who have been separated from the University to return and not be unduly encumbered by their prior academic records. A student may be granted Academic Amnesty only once. Once granted, its conditions cannot be altered. Conditions for Academic Amnesty are as follows:

1. A student must be separated from the University for at least five years before being eligible for Academic Amnesty.
2. All grades for courses taken prior to the point at which Academic Amnesty is granted will remain on the academic transcript and academic history, but the cumulative GPA will be represented as "0.00".
3. Only those courses that reflect a grade of C or better and were earned at Mansfield University prior to readmission will count as credit hours earned toward graduation. Courses with grades of C- or less will not count toward graduation.
4. A student will be placed on probation for the initial returning semester.
5. A student must achieve a minimum grade point average of 2.00 by the end of the second semester. Failure to achieve the 2.00 minimum GPA will result in permanent dismissal from Mansfield University.

Procedure:

1. The student is evaluated for admission through the normal processing of the readmission application in the Admissions Office.
2. The student is referred to an advisor for review of academic standing.
3. The student submits a petition for Academic Amnesty to the Provost.

Principles of Enrollment Management

Mansfield University endorses enrollment management principles and reserves the right to limit the total number of first-time, transfer, and readmission students within specific degree programs, as well as the total entering class at date of entry. Official entry dates occur in the summer, fall, and spring each academic year. A student may be offered admission to a waiting list based upon these principles. Assignment of confirmed spaces is made after a comprehensive review of academic credentials.

SUMMER SCHOOL

Summer School at Mansfield University is designed to meet the needs of a variety of students. A wide range of educational opportunities include credit courses for undergraduates, non-degree, and graduate students, as well as workshops, ACT 48, travel abroad credit and non-credit courses, and seminars in the liberal arts, teacher education, and other fields of study. Summer courses include a vast array of online courses as well as traditional classroom experiences. Those who are interested can visit the website at summer.mansfield.edu to view online and on campus courses.

Summer sessions are open to any student who has earned a high school diploma, a GED certificate, or part of our dual enrollment program for high school students.

Continuing university students, including new students, who wish to accelerate their programs of study will find both general education and other courses in a variety of academic disciplines. Students from other colleges and universities may take courses through Mansfield University. They are advised to first ensure that their home institutions will accept credits earned.

Teachers and graduate students will find courses in the summer program to serve a variety of needs. They may enroll to complete requirements for permanent certification, take refresher courses in their field of specialization, earn certification in a new field, or take academic coursework to meet ACT 48 requirements.

The policy regarding the number of credits for which a student may register during the summer sessions at Mansfield University is as follows: Students may not take more than six credits during either session (SU or SF), or more than 12 credits across the summer without the approval of the Dean of Education, Professional and Graduate Studies or the Dean of Arts and Sciences.

The Registrar's Office will be monitoring the number of credits registered and will be enforcing the policy. Students in violation of this policy will be contacted to rearrange their schedules.

DISTANCE EDUCATION: ONLINE AND INTERACTIVE VIDEO

Mansfield University offers opportunities for learning in a variety of settings and via various methodologies. Recognizing the unique needs of learners, we have online undergraduate and graduate courses and programs, as well as televised interactive courses. For further information about distance education, call 800-661-3640 or email online@mansfield.edu. Visit the Online Learning at Mansfield University's website for critical information, resources available, and directions related to responsibilities in taking a course online at Mansfield University. Website: online.mansfield.edu.

ONLINE NON-CREDIT COURSES

Mansfield University now offers Non-Credit courses online through Gatlin Education Services and ed2go. These programs are asynchronous web-based courses which means that there is no commuting to classrooms, and graduate students participate in the class when it is convenient for them.

Career Training Programs offer coursework in a specific field of study. Following the completion of select programs, participants are prepared and eligible to sit for professional certification exams. The eLearning Center provides participants the ability to develop a specific skill or competency through Non-Credit courses to further a student's personal or professional development. Ed2go also offers six week online short courses which are facilitated by instructors.

Please visit the website at <http://online.mansfield.edu> to browse a complete list of courses which are available online.

INTERNATIONAL STUDIES

Many opportunities are available for international students at Mansfield University. International students accepted to Mansfield University are automatically considered for scholarships based on their academic achievements. International applicants should contact the international admissions coordinator in the Admissions Office.

Requirements for Admission

Applicants are required to send official certified copies of all academic records by postal mail to the Office of International Admission at Mansfield University. When possible, records should be sent directly from the academic institution attended and contained in a sealed envelope.

Applicants from countries where English is not the native language are required to submit official results of the Test of English as a Foreign Language (TOEFL) examination, the International Language Testing System (IELTS) exam, or the Scholastic Aptitude Test (SAT). Applicants from countries where English is the native language must submit the Scholastic Aptitude Test (SAT). A TOEFL score of 64 on the internet-based exam, 500 on the printed exam, or 5.0 on the IELST examination indicates the applicant may have basic English proficiency. English as a Second Language (ESL) classes are available for applicants who are not proficient in English. Students with scores less than 550 on the TOEFL or 6.5 on the IELTS are likely to be placed into a program of ESL study before proceeding in most academic programs.

Admissions Process

Applicants are encouraged to submit their applications and all required documentation at least three (3) months prior to their desired semester start dates. This allows adequate time for processing the application and academic documents by the

scholarship committee. All applications/forms are available at <http://admissions.mansfield.edu/more/international-students/>.

Complete these steps:

- General Application (online)
- Financial Aid Application (online)
- Financial Statement (print & mail)

Passport:

- Include a copy of passport ID pages. A passport must be valid for at least six months after the student entered the United States on the student visa.

Transfer Students

International students who wish to transfer credit to Mansfield University are required to have all transcripts evaluated by a service such as World Academic Research Center <http://www.foreigndegrees.com/> or World Education Services <http://www.wes.org/application/>. Credit cannot be awarded unless an evaluation service is used.

MU CENTER FOR ENTREPRENEURIAL LEADERSHIP (MCEL)

The Center for Entrepreneurial Leadership (MCEL) provides non-credit experiences and learning opportunities to students and community members interested in new venture creation. MCEL produces a series of events including lectures, workshops, meetings with area entrepreneurs, and projects designed to encourage entrepreneurial knowledge and action. Working closely with the Collegiate Entrepreneurs Organization of Mansfield, MCEL provides opportunities for students to learn how to start new business ventures and participate in business plan competitions.

LAW ENFORCEMENT & CERTIFICATION PROGRAMS

As a service to the region, Mansfield University offers three types of certification to prepare students for roles in law enforcement and selected other professional areas. Each program is described below.

Municipal Police Training Academy

Under PA ACT 120, an approved 750 hour training program is required to become a municipal police officer in the Commonwealth of Pennsylvania. Mansfield University is an approved school for the Municipal Police Officers' Education and Training Commission. Our Academy provides each cadet with the professional skills and knowledge necessary to become successful law enforcement officers. Our full time Academy enables cadets to accelerate their training. Our part time program allows cadets the opportunity to participate in our training program while attending college. Graduates of the Police Academy are also eligible to receive up to 19 college credits

following approval of an application. For more information, visit <http://cll.mansfield.edu/law-enforcement-programs/municipal-police-training-act-120>.

Lethal Weapons Training

PA State Act 235 requires that any person who is privately employed and required as a condition of employment to carry a lethal weapon be certified. This 40-hour training program will enable participants to become employed as armored truck guards, alarm response guards, night watchpersons, or security guards. For more information regarding Lethal Weapons Training, visit <http://cll.mansfield.edu/law-enforcement-programs/lethal-weapons-act-235/>.

Constable Training

Mansfield University offers six components of Constable Training: Basic Training, Continuing Education, Basic Firearms, Annual Firearms, Advanced Firearms, and Optional Training. The Basic Training is open to those who are seeking to become constables as well as those already holding the office of Constable or Deputy Constable. For more information, visit <http://cll.mansfield.edu/law-enforcement-programs/constable-training-act-49/>.

For more information about these law enforcement programs contact Barbara Butcher at 570-662-4866/4974, 800-661-3640 or by email at bbutcher@mansfield.edu.

NON-CREDIT CERTIFICATION PROGRAMS

Certification programs offered at Mansfield University include the Child Abuse Recognition and School Violence (Project SAVE) workshops required to teach in New York State, the ServSafe Food Safety Program, required for food service establishments in Pennsylvania, and the Real Estate Pre-Licensure Courses required to become a licensed salesperson in Pennsylvania. For a more complete schedule of courses for the year, call the Law Enforcement and Certification Programs office at 570-662-4866/4974 or 800-661-3640 or by email at bbutcher@mansfield.edu.

EXPENSES

Other Fees

This information is based on student charges for the 2010-11 academic year. Tuition and fees for 2011/2012 are finalized after this catalog is printed. Therefore, this information is subject to change without notice. We include this information so students and their families can estimate expenses.

Admission Fees (Non-Refundable)

Application Fee: \$ 25

Students applying for admission or readmission pay this fee when submitting their application.

Advance Deposit: \$220

Required upon acceptance of the offer of admission. It is transferable to a revised admission date within one year upon the approval of the Director of Admissions.

Tuition (Per Semester)

	Resident of Pennsylvania	Resident of Other States	*Good Neighbor
Full-time U/G 12-18 credits	\$3,120	\$7,800	\$5,148
Part-time U/G under 12 credits / over 18 credits	\$260/cr	\$650/cr	\$429/cr
Graduate per credit	\$416/cr	\$624/cr	\$624/cr

*New York and New Jersey residents are considered Good Neighbors and are eligible for a reduced undergraduate tuition rate. New York and New Jersey residency requirements will follow the same basic criteria used in determining PA residency.

Note: Any student taking a combination of undergraduate & graduate credits are charged based upon the student's academic program level (undergraduate or graduate).

Online Course Tuition Rate

Online courses (section 190-199) have a discounted non-resident tuition rate of \$429 per credit for undergraduate courses and \$580 per credit for graduate courses.

Audit Fee

Part-time, non-degree seeking students and residents of the region may audit a course for \$50 with the permission of the course instructor if space is available.

Senior Citizen Tuition Waiver:

PA Residents aged 62 or over and receiving social security benefits may enroll in university undergraduate on campus courses if space is available with no tuition charge during the fall and spring semesters. Summer and winter session tuition is charged at the normal per credit rate.

Housing/Residence Hall Student Fees (per semester)

Deluxe Double	\$3,769
Double Room	\$2,513
Double as a Single Room...	\$3,518
Single	\$2,975
Senior Single	\$2,513

Requests for a private room are processed by the Housing Office, 120 Pinecrest, and are granted on a space available basis. Payment does not guarantee a private room if there are no vacancies.

Meal Plans

19 meals (\$200 flex).....	\$1526
14 meals (\$200 flex).....	\$1,365
10 meals (\$200 flex).....	\$1,255
175 meal block (\$200 flex)	\$1,253
75 meal block (\$200 flex)	\$ 938**
Flex Only (minimum)	\$ 50**

**off campus/commuter students only

Flex dollars are built into each meal plan and may be used as cash at any dining location. You may buy additional flex dollars in increments of \$25. Unused flex dollars are carried over from fall to spring semester. Unused flex dollars at the close of the spring semester are forfeited.

Room rates do not include telephone service. If you wish to purchase access to a land line, please go to <http://ct.mansfield.edu/students/phone/> or contact the Residence Life Office. Linens and pillows are not provided.

All residence hall students must use dining services. Dining fees are assessed regardless of whether or not dining services are actually used.

All new residence hall students are automatically charged for the 19 meal plan. Requests to change from another plan to the 19 meal plan must be made by August 1 for the fall semester. Changes to original dining selections are not permitted after the semester begins.

Dining exemption forms for medical reasons may be requested at the Residence Life Office and must be initiated before the beginning of a semester. Dining charges are assessed until approval for an exemption is granted.

All degree-seeking students with less than 60 credits are required to live on campus unless they are commuting from home. Approval to move out of the residence halls must be obtained from the Director of Residence Life, 120 Pinecrest.

Mandatory Miscellaneous Fees

**Note: Internships, Institutional research, individualized instruction and student teaching assignments are billed as on-campus courses and all mandatory miscellaneous fees apply

Technology Fee

This fee is paid by all students specifically to increase the investment in instructional technology.

\$174	Full Time Res. Undergrad 12+ cr.
\$ 15	Part Time Res. Undergrad 1-11 cr.
\$ 20	Res. Graduate per cr.
\$263	Full Time Non Res. Undergrad 12+ cr.
\$ 23	Part Time Non Res. Undergrad 1-11 cr.
\$ 30	Non Res. Graduate per cr.

Community Building Fee

This fee is paid by all students to support the operating costs and debt service for the Student Center.

Undergraduate		Graduate	
1 to 6 credits	\$23	1 to 5 credits	\$23
7 to 8 credits	\$46	6 to 8 credits	\$46
9 or more credits	\$92	9 or more credits	\$92

Education Fee

This fee is paid by all students to support high-cost programs, labs, and academic equipment.

Full-time Undergraduate (12+ credits)\$312
*Part-time per credit (less than 12 credits)\$26/cr

Graduate (9+ credits)\$524
*Part-time per credit (less than 9 credits)\$58/cr

*Per credit rate not to exceed full-time rate per semester.

Health Fee

Primary medical care is provided to registered full-time and part-time students while the university is in session.

Undergraduate	
7 to 11 credits.....	\$16.50
12 credits and over.....	\$33.00
Graduate (optional part-time only)	
7-8 credits.....	\$16.50
9 credits and over.....	\$33.00

Fitness Center Fee

All undergraduate, degree-seeking students are assessed this fee to support the debt service and operating costs of the fitness center.

Undergraduate		Graduate (optional)	
1 to 6 credits.....	\$36.50	1 to 5 credits.....	\$36.50
7 to 11 credits.....	\$73.00	6 to 8 credits.....	\$73.00
12 credits and over...	\$146.00	9 credits & over...	\$146.00

Student Activity Fee

This fee was established by the Student Government Association to support student activities.

Undergraduate		Graduate (optional)	
7 to 11 credits.....	\$225	6 to 8 credits.....	\$225
12 credits and over.....	\$450	9 credits & over.....	\$450

**Note - If a student changes his or her registration, the change may and most likely will affect the balance due. It is each student's responsibility to check his or her WebAdvisor account after any changes to registration, housing/dining or financial aid. If a student is anticipating family assistance to cover charges, it is his or her responsibility to notify the family of any changes.

OTHER FEES

Deferred Payment Fee

Students may defer payment for up to one-half of the balance due for six weeks after the first day of the semester. The balance due is defined as the total fees for the current semester, less approved financial aid. Nonpayment of the full balance due incurs the \$50 fee.

Late Payment Charge

A Late Payment charge will be assessed if a student's account balance (net of approved financial aid) is not paid in full at the end of the semester deferred payment period (six weeks from the start of the semester). The amount of the Late Payment charge is proportional to the account balance as described in the following table.

Account Balance Due (AB)		Late Payment Charge
AB =	< \$100	0
\$100 < AB =	< \$1,000	\$10
\$1,000 < AB =	< \$2,500	\$25
\$2,500 < AB =	< \$5,000	\$50
\$5,000 < AB		\$75

Returned Check Fee

A \$25 fee is charged for each check or e-check returned by the bank for non-sufficient funds (NSF). A \$5 fee is charged for each e-check (electronic check) returned by the bank for invalid account information..

Certification Fee

Teacher certification applications are processed in the Student Accounts Office. Teacher Certification applicants may submit a \$100 money order payable to Mansfield University.

Credit By Examination Fee

One third of the undergraduate fee per credit must be paid and approval received from the Registrar before taking each examination.

Parking Decal Fee

This fee is for a permit valid from September through August.

Commuter Student	\$25
Resident Student	\$50

Transcript Fee

There is a \$8 per copy fee for official or unofficial transcripts. This fee is due in advance prior to the processing of the transcript. The fee includes the cost of postage for first class mail. Any priority mailing is at the expense of the requestor. All delinquent obligations must be cleared prior to the release of an official transcript.

Exam/Test Fees

Contact The Career Development Center in Alumni Hall for information about the following tests and fees: Miller Analogies

Test; Graduate Record Exam (GRE); and the Praxis Series - Professional Assessment for Beginning Teachers. Information regarding the Scholastic Aptitude Test (SAT) and the College Level Examination Program (CLEP) may be obtained from the Admissions Office.

Music Lesson Fee

Undergraduate Students: The music lesson fee will be assessed at \$100 per credit for music courses MAP-2000 and above.

Graduate Students: The music lesson fee will be assessed at \$100 per credit for music courses MAP-5000 and above.

Refunds & Adjustments of Charges

The following information is subject to change without notice.

Withdrawal From The University (Or All Coursework)

Tuition, housing, community building fee, health fee, activity fee and fitness center fee are adjusted for all students according to the refund schedule. The technology fee is non-refundable.

First day through drop period	100%
Through Second week	80%
Through Third week	60%
Through Fourth week	50%
Through Fifth week	40%
Sixth week.....	No Refund

Tuition and miscellaneous fees (community building fee, health fee, activity fee and fitness center fee) will be adjusted at 100% through the drop period. The technology fee is non-refundable. There is no fee adjustment for course withdrawals. All requests for refunds should be in writing to the Student Accounts Office in South Hall

Financial Obligation

Failure to meet your financial obligations by the due dates may result in classes being cancelled, future registrations being blocked, and transcripts being withheld. The minimum amount required to confirm a student's registration is the total charge, LESS financial aid, DIVIDED by two, PLUS any beginning balance. Payment of the minimum amount due will allow a student to defer the remaining balance due for six (6) weeks. Failure to make payment in full by the payment due date will automatically result in the student account incurring a deferred payment fee of \$50.

Tuition Management Services Payment Plans

Mansfield University partners with Tuition Management Services (TMS) to offer students alternative payment plan options. TMS works directly with families allowing students to pay tuition and fees, interest free, for the entire academic year over a ten (10) month period, beginning in June. Call 1 800-722-4867 or visit www.afford.com for further information. TMS payment plans are not available for summer semesters.

Delinquent Accounts

Students are not permitted to register for course work, receive a diploma, or obtain official transcripts until all overdue accounts have been paid. Delinquent accounts may be assessed collection costs for in-house or collection agency assignment. Students requesting transcripts are encouraged to pay any outstanding balance by money order or cashiers check to avoid a two-week clearing period on personal checks.

Residency

All students are classified as Pennsylvania residents for tuition purposes if they have Pennsylvania domiciles.

Domicile is the place where the student intends to and does permanently reside. Because the determination of whether a student intends to reside indefinitely in Pennsylvania is subjective, documentary evidence, statements from disinterested persons, and the presumptions set forth below are considered:

- a. Continuous residence in Pennsylvania for a period of 12 months prior to registration as a student at an institution of higher education in Pennsylvania creates a presumption of domicile. A student is presumed not to be a domiciliary if he/she has resided for a shorter period before attending an institution of higher education, but the student may rebut this presumption by clear and convincing evidence.
- b. Students who are not United States citizens and have nonimmigrant visas or lack a visa are presumed not to be domiciled in Pennsylvania, but they may rebut this presumption by clear and convincing evidence.
- c. A minor is presumed to have the domicile of his or her parents or guardian. The age of majority for establishing a domicile for tuition purposes is 22. However, a minor may prove financial emancipation and thereby prove Pennsylvania domicile through clear and convincing evidence.
- d. A United States government employee or a member of the armed forces who was domiciled in Pennsylvania immediately preceding entry into government service and who has continuously maintained Pennsylvania as his or her declared legal residence shall be presumed to have a Pennsylvania domicile. Nonresidents stationed in Pennsylvania for military service shall be deemed Pennsylvania domiciliaries.
- e. A student receiving a scholarship, loan or grant, dependent upon maintaining domicile in a state other than Pennsylvania is presumed to be domiciled in the state from which he or she is receiving financial aid.

A student may challenge his or her residence classification by submitting a written appeal to the controller. If the student is not satisfied, the decision may be appealed in writing to the Office of the Chancellor, State System of Higher Education, within 30 days. The decision of the chancellor is considered final. The effective date of any reclassification resulting from the students challenge

is determined by the controller based on when the petition was filed. A student who changes domicile from Pennsylvania to another state must promptly give written notice to the University.

New York and New Jersey residents are considered “Good Neighbors” and are eligible for a reduced undergraduate tuition rate.

FINANCIAL AID

The Financial Aid Office and Student Account Offices provide information and assist students and their families in meeting college expenses. These offices inform students of application procedures and deadlines, types of aid available, eligibility requirements, and other pertinent data.

As a state university, our tuition is substantially lower than many other colleges and universities. However, the combination of college expenses still requires financial aid for many students. While we help in any way we can, the basic financial responsibility for a college education continues to rest with the student and his or her family.

Matriculation at Mansfield University is by semester. Students are expected to meet the expenses of the upcoming term without assistance unless such aid has been previously arranged and confirmed. Mansfield University participates in the major federal and state financial aid programs. There are three forms of aid: grants, loans, and college work study (part-time employment). Grants include the Federal Pell grants, the Pennsylvania state grant, the Federal Supplemental Educational Opportunity Grant, and TEACH Grant, as well as institutional and private grants. Loans include the Federal Direct Loans, the Federal Perkins loans, and the Federal PLUS Loan for parents of undergraduate students. In addition, students may borrow additional funds should they wish to do so through the Alternative Loan Program. Federal work-study (part-time campus employment) is funded by federal monies and is awarded to students with demonstrated financial need. Non-need based institutional work-study is also awarded.

We emphasize the following points:

1. File for financial aid immediately upon confirmed admission to Mansfield University.
2. To apply for aid, file the Free Application for Federal Student Aid (FAFSA) and the institutional application (for freshman only).
3. The important deadlines for financial aid are March 15 for new students and currently enrolled students. Pennsylvania Higher Education Assistance Agency (PHEAA) has a deadline date of May 1 for the PA state grant program.
4. Identify Mansfield University (003324) as an institution of choice on the FAFSA application.

5. Students are considered sophomores with 30-59 credits, juniors with 60-89, credits and seniors with 90 or more credits. This is important for Federal Direct Loan purposes.

Students and parents may call the Financial Aid Office at (570) 662-4129 with questions at any time. We are here to help you. Satisfactory Academic Progress at Mansfield University

Satisfactory Academic Progress at Mansfield University

The Higher Education Act of 1965, as amended by Congress, mandates that institutions of higher education establish minimum standards of “satisfactory academic progress” (SAP) for students receiving federal financial aid. These standards apply to all Federal Title IV aid programs including the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, TEACH Grant, Federal Perkins Loan, Federal Direct Loans, Federal Direct PLUS Loans and Federal Work-Study. The Satisfactory Academic Progress (SAP) standards apply to all students seeking federal Title IV financial aid, regardless of whether a student has received Title IV financial aid in the past.

Process of Determining Satisfactory Academic Progress (SAP):

Each student will be measured for satisfactory academic progress annually in May after spring grade processing. This evaluation will determine if the student has sufficient progress to be eligible for future Title IV funding. Students who have not met the minimum SAP requirements will be notified that they are not eligible for financial aid.

Satisfactory Academic Progress Measurement

Qualitative Measure (cumulative MU GPA):

Undergraduate students:

Credits Attempted (including transfer hours)	Minimum GPA required
0-16	1 .20
17-30	1 .40
31-45	1 .60
46-60	1 .80
61+	2.00

Graduate students must achieve at least a 3.0 cumulative GPA.

Quantitative Measure

Completion Rate/Pace: Pace is calculated by dividing cumulative hours the student successfully completed by cumulative hours the student has attempted. This calculation includes all attempted credits, both at MU and those accepted in transfer; courses for which a student receives academic credit, withdraws, receives incomplete or repeat grades and/or fails are counted in the calculation of the completion rate/pace.

- Undergraduate students must successfully complete 75% of the total cumulative attempted credits;
- Graduate students must successfully complete 75% of the total cumulative attempted credits.
- Maximum Timeframe (completing program of study within 150% of program length)
- Undergraduate students may receive aid for up to 180 cumulative credits attempted (includes both MU credits attempted and those accepted in transfer).
- Graduate students may receive aid for all credits attempted up to 150% of the specified number of credits required by their specific degree programs.

Students who change majors are responsible for completing the degree requirements within the timeframe specified above.

Readmitted Students: If a student is readmitted to the University, satisfactory academic progress will be based on the student's previous attendance at MU and credits accepted in transfer. Students who have not met the minimum requirements will be notified of their ineligibility for federal financial aid and informed of the options to regain eligibility.

Special Grades and Their Use in Satisfactory Academic Progress Determination:

- I – Incomplete – Student will receive no credit for an “I” grade although the “I” is counted as attempted credit(s). If, however, the incomplete grade is resolved and a passing grade is received, the credits will be counted.
- W – Withdrawal – No credit received; however counted as attempted credit.
- AU – Audit – No credits received.
- P/F – P means the student receives credit(s) but GPA is not affected. A grade of F will impact the GPA.

Repeat of Course: The last grade earned is always used in calculating the GPA. If the student failed the course the first time but passes it the second time, the appropriate number of credits will be received after the second attempt. If, however, the student passed the course the first time, repeats it in an attempt to improve the GPA but receives a failing grade, the appropriate number of credits will be deducted from the cumulative credits earned total. Maximum hours earned for any course cannot exceed the number of credits listed for that course in the catalog.

Regaining Eligibility:

If a student fails to meet the satisfactory academic progress standards, but meets the standards later at some point, the student can once again be eligible to receive federal Title IV. In such cases, financial aid eligibility will begin with the academic semester after which the student re-establishes progress. It is the student's responsibility to contact the MU Financial Aid Office after completing coursework that allows the student to regain eligibility for financial aid.

Students taking coursework at another institution to regain SAP eligibility should be aware that:

1. A Request to Transfer Credits form must be completed (go to Registrar's Office webpage) prior to taking any courses elsewhere if the credits are to be transferred back to MU. The Registrar's Office must accept the transfer credits in order for those credits to be counted towards satisfactory academic progress.
2. Only “credits” transfer back to Mansfield University; “grades” do not. If the student's deficiency is in GPA, taking courses at another institution will not resolve that deficiency.

Appeal Process: Students whose financial aid eligibility has been terminated may “appeal” that status if they have experienced extenuating circumstances that affected their abilities to meet the academic progress standards. In general, extenuating circumstances can include, but are not limited to, illness, injury, death of relative or friend, difficulties with accommodations for students with disabilities, and adversity due to unforeseen events. Students interested in appealing their termination of financial aid eligibility can access the Academic Progress Appeal Form at www.mansfield.edu/Financial Aid Office/forms and publications; the completed form and supporting documentation should be submitted to the Director of Financial Aid. Each student must also address in the appeal why the student failed to make SAP, what has changed that will allow the student to make SAP in the next evaluation and an academic plan for success. A student should submit the appeal prior to August 15th for fall semester consideration or prior to December 1st for spring semester consideration. The student will be notified via email and/or in writing of the decision.

State Grant Academic Progress: Academic progress requirements for state grant programs vary from the federal academic progress policy. Academic progress requirements for the Pennsylvania State Grant are communicated directly to recipients with their state grant notification by PHEAA (Pennsylvania Higher Education Assistance Agency).

Veterans Benefits

Eligible students may qualify for Veterans Educational Benefits as well as financial aid. The application procedure for financial aid is the same as that outlined for any regular student. Students may qualify for Veterans Educational Benefits through several different programs run by the Veterans Administration. These forms are available through the Veterans Certifying Official, Room 134, Alumni Hall. In addition, PA Veterans who are honorably discharged may be eligible for a PA State Grant for up to 80% of their annual tuition provided they apply by May 1 each year.

FEDERAL GRANT PROGRAMS

FEDERAL PELL GRANTS

The Federal Pell Grant is for students pursuing their first undergraduate degree. The award amounts can vary depending on eligibility and are subject to change annually. Students wishing to apply must complete a Free Application for Federal Student Aid (FAFSA).

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)

The Federal Supplemental Educational Opportunity Grant (FSEOG) is for undergraduate students with exceptional financial need. They must qualify for a Federal Pell Grant. Funding is very limited in this program; therefore, the Free Application for Federal Student Aid (FAFSA) must be received and processed by the Federal Student Aid Programs by March 15, 2006 for grant award consideration.

TEACH GRANT

Eligible students must be accepted into the Undergraduate and Graduate Teacher Education or Teacher Certification programs at Mansfield University and agree to teach full-time in a high-need subject area for at least four years at schools that serve students from low-income families.

STATE GRANT PROGRAMS

THE PENNSYLVANIA HIGHER EDUCATION ASSISTANCE AGENCY (PHEAA) provides State Grants to help Pennsylvania residents with financial need attend approved institutions of higher education. PA State Grants are available to both full and part-time students.

Grant recipients are expected to work during the summer to assist in meeting expenses and parents are expected to contribute according to their abilities. Grant size depends upon educational expenses, family size, and family resources.

PHEAA Grants are subject to annual review and may change from year-to-year. Renewal depends upon satisfactory academic standing, continued financial need, and the availability of funds. The Free Application for Federal Student Aid is available online at www.fafsa.ed.gov. For purposes of the PHEAA Grant program, the application deadline is May 1.

STUDENT EMPLOYMENT PROGRAMS

FEDERAL COLLEGE WORK-STUDY is a federally funded program awarded to students who demonstrate a financial need. It pays minimum wage, and a student cannot work more than 10 hours per week. In fact, most students work an average of 7 - 10 hours per week. The employment opportunities on campus include administrative areas, student center, athletics, the library, academic areas, security, laboratory assistant, etc. To apply, a student must complete the FAFSA.

INSTITUTIONAL WORK-STUDY is a Mansfield University-funded program. It differs from the Federal College Work-Study Program in that a student does not have to show a demonstrated financial need in order to work. The pay rate, once again, is minimum wage and students cannot exceed 10 hours of work a week. To apply, a student must complete the FAFSA.

LOAN PROGRAMS

FEDERAL PERKINS LOANS. This program is for students who are enrolled at least half time (six credits) and need a loan to meet their educational expenses.

Maximum loans are \$5,500 per year for undergraduate students and \$8,000 per year for graduate students. In an effort to extend the funds to assist as many students as possible, the average Perkins Loan at Mansfield University is in the \$1,000-\$2,000 range per academic year. Repayment begins nine months after leaving school with up to 10 years to repay. During the repayment period, five percent interest is charged on the unpaid balance of the principle. Applicants must complete a Free Application for Federal Student Aid (FAFSA).

FEDERAL SUBSIDIZED DIRECT LOAN. These funds are made available to students who demonstrate financial need for the loan. The loan is interest free while the student attends school on at least a half-time basis. Mansfield University determines your eligibility after review of the Free Application for Federal Student Aid (FAFSA).

Loans will be certified electronically, and students will need to complete and sign their Master Promissory Notes if they are first time borrowers. The Master Promissory Note is intended to be valid for 10 years; a student should only be required to sign one note.

Each eligible applicant must be enrolled at least half-time (six credits) and meet financial need requirements. The maximum loan for an undergraduate ranges from \$3,500 to \$5,500 a year. Total loans may not exceed \$23,000 for undergraduates. The variable interest rate may not exceed 8.25%.

Repayment normally begins six months after leaving school with up to 10 years to repay. The monthly repayment amount depends upon the size of the debt and ability to pay. In most cases repayment must be at least \$50 per month unless circumstances agreed upon by the lending institution warrant a lesser amount.

FEDERAL UNSUBSIDIZED DIRECT LOAN. This loan is similar to the Federal Subsidized Direct Loan program; however, students do not need to have demonstrated financial need. Interest does accrue on the loan while the student is in school. Students may pay the interest quarterly or capitalize the interest upon repayment.

Federal Direct Parent Loan for Undergraduate Students (PLUS). This program allows parents to borrow for their undergraduate students. A parent can borrow the difference between the cost of attendance minus any other financial aid received.

Parents have the option of the PLUS Master Promissory Note. Like the Direct Loan MPN, the note is good for 10 years; however, parents are required to sign a new note for each dependent student.

The parent usually begins repayment of interest and principle within 60 days of loan disbursement although various forbearance options are available.

As of July 1, 2006, eligible graduate students may receive Federal Direct PLUS Loans. Like parent PLUS borrowers, Grad PLUS borrowers will undergo credit checks before borrowing and will enter repayment on the date of the final loan disbursement. An eligible graduate student can borrow the difference between the cost of attendance minus any other financial aid received.

ADDITIONAL LOAN OPTIONS. Credit-based alternative loans for educational expenses are also available. Various programs offer competitive interest rates, flexible repayment schedules and differing co-signer requirements. Students interested in an alternative loan, can contact the lender directly or the Financial Aid Office for additional information, a comparison chart, and application materials.

FINANCIAL AID AWARDS AND GRANTS

Approved Title IV aid is paid on account within the first four weeks of the semester. Aid will be paid bi-weekly thereafter. Loan checks are credited upon endorsement or when funds are electronically received.

Academic Year Definition

Mansfield University's academic year is a period that contains 30 weeks of instructional time during which a full-time student is expected to complete at least 24 credit hours. The academic year is further described as a Scheduled Academic Year (SAY) that starts at the beginning of fall semester and ends on the last day of the spring semester. The summer sessions are designated as "trailer" terms which follow the SAY

Return Of Title IV Federal Student Aid Policy

Mansfield University is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or who take leaves prior to completing 60% of a payment period or term. The federal Title IV financial aid programs must be recalculated in these situations.

If a student leaves the institution prior to completing 60% of a payment period or term, the financial aid office recalculates eligibility for the Title IV funds. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

Percentage of payment period or term completed = the number of days completed up to the withdrawal date divided by the total days in the payment period or term. (Any break of five days or more is not counted as part of the days in the term.) This percentage is also the percentage of earned aid.

Funds are returned to the appropriate federal program based on the percentage of unearned aid using the following formula:

Aid to be returned = (100% of the aid that could be disbursed minus the percentage of earned aid) multiplied by the total amount of aid that could have been disbursed during the payment period or term.

If a student has earned less aid than was disbursed, the institution will be required to return a portion of the funds and the student will be required to return a portion of the funds. The aid recipients must keep in mind that when Title IV funds are returned, the student borrower may owe a debit balance to the institution.

If a student has earned more aid than was disbursed to him/her, the institution will owe the student a post-withdrawal disbursement which must be paid within 120 days of the student's withdrawal.

The institution must return the amount of Title IV funds for which it is responsible no later than 45 days after the date of the determination of the date of the student's withdrawal.

Refunds are allocated in the following order:

- Unsubsidized Direct Stafford Loans (other than PLUS loans)
- Subsidized Direct Stafford Loans
- Federal Perkins Loans
- Direct PLUS Loans
- Federal Pell Grants
- Federal Supplemental Educational Opportunity Grants (FSEOG)
- TEACH
- Other assistance for which a return of funds is required (e.g. LEAP)

Refund Allocation Policy

Refunds allocated to a particular program will not exceed the aid originally awarded to a student in that particular program.

A release form must be signed to authorize the University to apply Title IV funds to charges beyond tuition and fees. The release may be rescinded at any time by submitting a written request to the Student Accounts Office. Rescinded authorizations are not retroactive

SCHOLARSHIPS

Entering students: All entering students who are regularly admitted to the university are automatically placed into the scholarship review process. A special scholarship application is not required. Students are reviewed on a rolling basis based on acceptance to Mansfield University.

Continuing Scholar/Returning Student/Department Scholar/Sophomore Scholarship: The Scholarship application deadline is April 15th, and a scholarship application is available through the Office of Financial Planning, 134 Alumni Hall. A portfolio of different scholarships is available through the Mansfield Foundation for returning students. Students must complete the Returning Student Scholarship Application and provide supporting essays as well. Awards are determined by the University Scholarship Committee.

The following scholarship opportunities are available for both entering and returning students. Unless otherwise noted, all scholarships are awarded through the Scholarship Committee. Some of the awards may not be given on an annual basis, and these are noted in the description of each scholarship.

Academic Performance

Over forty \$1,000 Returning Student General academic scholarships will be available for currently enrolled students who are planning to reside on campus during the 2011-2012 academic year. A portion of the awards will be directed towards those students who have indicated they wish to reside in the new residence

AFSCME SCHOLARSHIP: This scholarship is presented to a full-time student who has completed 12 credit hours and has achieved a minimum cumulative grade point average of 2.5 on a 4.0 scale. Financial need is also a consideration. Preference is given to a local 2363 bargaining unit employee, dependent or spouse. The award is \$1000 per academic year, non-renewable. The recipient is selected by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

APSCUF BOOK SCHOLARSHIP: This scholarship is presented to a first year student who demonstrates academic achievement. It is a \$500 award given as a credit at the University Bookstore, non-renewable. The recipient is selected by the Scholarship Committee.

APSCUF FIRST YEAR STUDENT SCHOLARSHIP: One scholarship is presented to a union member or child of a union member, based on academics and strong union affiliation. The other scholarships are open to all entering first year students and are based on academic achievement. Both scholarships are \$1000, non-renewable, and the recipients are selected by the Scholarship Committee.

JOSEPH C. AND LOIS E. WEIR ASHKAR SCHOLARSHIP: This \$1500 scholarship is presented to a student pursuing a degree in secondary teacher education who has completed registration

for student teaching for either the fall or spring of the following year. The recipient must be an undergraduate with senior standing at the time of the award, have a minimum 3.2 grade point average in the major, exhibit leadership qualities, participate in campus or community organizations, and write a position paper on the importance of character in the committed teacher. The Education and Special Education Department will select the recipient and forward the choice to the Scholarship Committee.

DONALD L. & LARENE T. AYRES SCHOLARSHIP: A \$500 scholarship presented to an incoming first year student majoring in Education that maintained a minimum 2.75 GPA in high school. Renewable as long as the student maintains the GPA and remains an education major.

LINDA A. BALLARD HULSLANDER SCHOLARSHIP: This scholarship is presented to an entering first year student pursuing a degree in nutrition and dietetics. Recipients must be in the top two fifths of their high school graduating class and have SAT scores of 1000 or more. This scholarship may be renewable if the recipient maintains a 3.0 cumulative grade point average and remains in the degree program. The recipient is selected by the Scholarship Committee.

BANK OF BLOSSBURG TRUST: This scholarship is presented to first year students who attended North Penn High School in Blossburg. The scholarship recipients are recommended by teachers at North Penn High School and forwarded to the Scholarship Committee for final approval. The scholarships may be renewed for each of the student's four college years. The amount of this award is \$1000.

SHIRLEY SANDROCK BARNHARDT AND ROBERT A. BARNHARDT SCHOLARSHIP: This scholarship is presented to an entering first year student majoring in secondary education, with first preference given to math and English. The recipient must be in the top fifth of his or her high school graduating class, obtain a minimum SAT score of 1200, and participate in scholastic and community organizations along with leadership potential. The scholarship is \$1,500 and may be renewed if a 3.0 GPA is maintained. The Education Department Scholarship Committee selects the recipient.

RHODA BARTELL MUSIC SCHOLARSHIP: This scholarship is presented to an entering first year student with a double reed major. The student must be full-time and maintain a 2.5 cumulative grade point average on a 4.0 scale. This is a \$1000 award, non-renewable. The recipient is selected by the Music Department Scholarship Committee upon the recommendation of the double-reed professor.

JOHN AND AUDREY BAYNES STRING SCHOLARSHIP: This scholarship is presented to an outstanding string student chosen by the string faculty. This award is \$500 and is renewable.

MARY BLAIR SCHOLARSHIP: This scholarship is a four-year award for an incoming, first year student. The scholarship is awarded once every four years, and two scholarships are awarded each time. General scholarship guidelines are used to select recipients. The amount of this award is \$1,150. The recipient is selected by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

BOARD OF GOVERNORS SCHOLARSHIP

The Board of Governors Scholarships were created by the State System of Higher Education. A number of awards for Pennsylvania residents granting waivers of tuition are awarded after all other forms of aid have been received for the academic year. These scholarships may be renewed for eight semesters if the student maintains the required grade point average. The Board of Governors Scholarship guidelines are used to select recipients.

BOARD OF GOVERNORS PRIORITY PROGRAM

A number of full and partial tuition waivers for Pennsylvania residents with at least an SAT score of 1000 and a class rank in the top 30% are available. Priority is given to students in the science/technology and math disciplines. The waiver is renewable by maintaining a 2.5 grade point average.

JOSEPHINE BRACE WOLFE SCHOLARSHIP

This is a renewable \$450 scholarship for entering students from the Troy Area High School. Students must be in the top 20% of their graduating class.

BOB BRIDGMAN SCHOLARSHIP

This scholarship is presented to an entering first year student who is in the 25 percent of his/her senior high school class and has an SAT score of 1000. The recipient must demonstrate the highest traits of leadership, citizenship and character, and show evidence of providing service to others and/or animals and a willingness and desire to continue doing so in the future. The \$1,100 award is selected by the Scholarship Committee and may be renewed if the recipient maintains a 3.0 GPA and remains a full-time student.

THE ED BROWN SCHOLARSHIP: This scholarship is presented to a junior with the highest grade point average during his or her first two years of music theory. Preference is given to a pianist. The award is \$250.

BEATRICE AND CARLETON CHAFFEE '35 MUSIC SCHOLARSHIP:

This scholarship will be awarded to an incoming first year student interested in orchestra with a preference for string musicians.

DENISE F. CARTER-ONYIRIMBA MEMORIAL FUND: This book scholarship is presented to an incoming, fall, first year student who graduated from the Philadelphia School District and is a participant in the MU Act 101 Program. The award will fund three (3) book scholarships (2) fall and (1) spring, not to exceed two-hundred and fifty dollars (\$250.00) each. The Denise Faith Carter-Onyirimba Memorial Fund Committee selects the recipients. This award is non-renewable.

THE CITIZENS AND NORTHERN BANK SCHOLARSHIP: A \$1,500 scholarship will be awarded to an entering student from the Citizens and Northern Service region. The recipient must be a regular admitted student to the University. Preference will be given to a student in a business-related major.

CLASS OF 1935'S ROUND ROBIN SCHOLARSHIP: A \$1,300 scholarship is presented to an entering first year student who is in the top twenty-five percent of his or her senior high class, obtains a minimum SAT score of 1000 and has demonstrated the

highest traits of leadership, citizenship and character. This award is renewable if the recipient maintains a 2.5 grade point average.

THE CLASS OF 1953 SCHOLARSHIP: This scholarship was established by donations from the class of 1953. General scholarship guidelines will apply to this renewable award in an amount to be determined. This scholarship will not be offered for 2011-2012.

THE CLASS OF 1954 SCHOLARSHIP: This scholarship was established by donations from the Class of 1954. This scholarship will be awarded annually to a student majoring in an education program. The student may be a sophomore, junior, or senior. First year students are not eligible for selection.

THE CLASS OF 1955 SCHOLARSHIP: This scholarship was established by donations from the Class of 1955. General scholarship guidelines will apply to this award in an amount to be determined. This scholarship will not be offered for 2011-2012.

THE CLASS OF 1956 SCHOLARSHIP: This \$500 scholarship was established by donations from the Class of '56. General Scholarship Guidelines will apply to this renewable award.

THE CLASS OF 1957 SCHOLARSHIP: This \$500 scholarship was established by donations from the Class of '57. General Scholarship Guidelines will apply to this renewable award.

THE CLASS OF 1958 SCHOLARSHIP: This \$600 scholarship was established by donations from the Class of 1958. It is to be used to off-set the cost of tuition or room and board and is awarded to a student who demonstrated financial need, maintains a 2.75 GPA and is an upperclassman. The award is renewable. Further consideration is given to non-traditional students.

THE CLASS OF 1959 SCHOLARSHIP: H.W. COLEGROVE

SCHOLARSHIP: This scholarship is awarded to female first year students who exhibit strong academic background and are residents of Tioga County, PA. The amount of the award is \$1000 and renewable for each of the student's four years provided a 2.0 grade point average is maintained. The recipient is selected by the Scholarship Committee.

COLLEGE COMMUNITY SERVICES, INC. BOOK SCHOLARSHIP: This scholarship is presented to full-time, upper class students who maintain 2.8 cumulative grade point averages, are involved in extra-curricular activities, and have financial need. A varying number of \$250 scholarships are provided in the form of credit for books at the bookstore, and selection is made by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

STANLEY D. CONKLIN SCHOLARSHIPS FOR NURSES: This is a renewable scholarship for up to four years enrollment. The awards are \$2000 each and are made possible through the generosity of Dr. Conklin who was a highly respected Guthrie Healthcare physician. A varying number of awards will be available for first year nursing students each year. Candidates must have scored at least 1000 on their SAT tests and be in the top two fifths of their graduating classes. A grade point average of 2.7 is required for renewal and recipients are determined by the Scholarship Committee.

ALBERT J. CRISPELL ELEMENTARY EDUCATION AWARD: This scholarship is presented to a student with senior status who is majoring in elementary education. Preference is first given to residents of Bucks, Luzerne or Wyoming counties. The recipient should display the qualities of a successful educator as determined by the faculty. The scholarship is to offset expenses for books and educational supplies. This is a \$500 award paid directly to the Campus Bookstore to help offset book and supply expenses. this award is non-renewable.

LONA ROSE D'ANGELO SCHOLARSHIP: This \$1,000 scholarship is awarded in memory of a special young lady. It is awarded under normal scholarship guidelines to a resident of either Bucks or Luzerne County, PA.

DARRIN-DYE SCHOLARSHIP: This scholarship is presented to an entering first year student majoring in music. Recipients are selected based on talent and have an SAT score of 900 or more. This award is \$500 per academic year, non-renewable. The selection is made by the Music Department Scholarship Committee.

HARTLEY B. DEAN SCHOLARSHIP: This scholarship is presented to entering first year students who have achieved academic excellence and exhibited financial need. Class rank, SAT scores, and involvement in extracurricular activities are taken into consideration. This scholarship is renewable if a minimum 2.0 cumulative grade point average is achieved. The amount of the award is \$1000. General scholarship guidelines are used to implement the awards. The number of awards may vary from year to year and selection is made by the Scholarship Committee.

DAVID J. DICK MEMORIAL AWARD: This scholarship is presented to an outstanding junior or senior of conducting or vocal performance. The amount of the award is \$1000, non-renewable. Selection is made by the Music Department Scholarship Committee.

HOWARD R. AND MARGARET DOUD SCHOLARSHIP: This scholarship is presented to a first year student music major. To be considered for any additional awards. The recipient must maintain a 3.0 cumulative grade point average. Selection is made by the Music Department Scholarship Committee. Scholarship is be given once every four years.

FREDERICK DOUGLASS INSTITUTE SCHOLARSHIP: This scholarship is awarded to outstanding students who demonstrate potential for leadership, have good academic standing, and exhibit commitment to cultural diversity.

DUNHAM FAMILY SCHOLARSHIP: A \$500 Scholarship is awarded to a Wellsboro High School graduate who maintains a 3.0 GPA. The recipient must reside on campus, and the award is renewable as long as the student meets the residency and GPA requirement.

THE VAN W. EMMONS SR. "PEOPLE FIRST" AWARD: This scholarship is presented to a sophomore social work major with preference given to a Pennsylvania resident. Students applying for this award must submit concise letters describing time and energy given to non-profit organizations, churches and/or other community services that provide positive social support. The award is renewable if the recipient continues as a social work

major and maintains a 2.5 GPA. The amount of this award is \$500 per academic year.

GRACE S. EVANS SCHOLARSHIP: This scholarship is presented to an entering first year student who demonstrates academic achievement. The amount of this award is \$500 per academic year, non-renewable. Selection is made by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

RALPH H. EVANS ENDOWMENT: A \$1,000 scholarship is awarded to a graduate from a high school in Tioga or Bradford Counties in Pennsylvania. The recipient must be a business, management, marketing or accounting major and must have completed at least 30 credit hours while maintaining a 3.25 GPA. The scholarship is renewable if the GPA is maintained.

NANCY EVANS-SABO AWARD: Nancy Evans Sabo was a talented young teacher and, like many members of her family, a graduate and friend of Mansfield University. In her memory, her family gives an award to the graduating secondary education student with the highest grade point average as recorded the semester prior to student teaching.

MARYON FARRER POWELL SCHOLARSHIP: This scholarship is presented to a student who is majoring in dietetics. The recipient of this scholarship can be either an entering or currently enrolled student who demonstrates strong academic ability and has financial need. This is an \$1,250 non-renewable award. General scholarship guidelines are used to select the recipient, with the decision being made by the Scholarship Committee.

FIELDING-ELIOT SCHOLARSHIP IN ENGLISH/MODERN LANGUAGES: This scholarship is presented to an entering first year student majoring in either English or a modern language. The recipient must be in the top two fifths of his or her high school graduating class. The scholarship is renewable for additional six semesters if recipient maintains a 3.0 GPA.

EILEEN FINN KURITZ DIETETICS & NUTRITION AWARD: Two \$1000 scholarships are awarded in honor of Eileen Kuritz. Students must be entering dietetics or nutrition majors with an SAT score of at least 1050 and be in the top 2/5 of their graduating class.

FIRST CITIZENS NATIONAL BANK SCHOLARSHIP: This scholarship is presented to a sophomore, junior, or senior student who resides in the First Citizen's National Bank market area. Preference will be given to students who are customers of First Citizens or have direct family members who are customers. Requirements for this scholarship are a cumulative 3.0 GPA and a minimum of 20 hours of community service each semester.

ADA MAE FRAILEY-SAXTON MUSIC SCHOLARSHIP : This scholarship is presented to an entering first year student majoring in music. The recipient must be in the top 20 percent of his or her senior high school class, obtain a minimum SAT score of 1100, obtain a minimum score of 80 on the Theory Placement Test and perform an outstanding audition for department admission. This \$1000 scholarship is renewable for an additional three years if the recipient continues as a full-time music major at Mansfield University, maintains a 3.0 grade point average, and is recommended by the primary teacher and ensemble director.

THE BERTRAM FRANCIS SCHOLARSHIP: This scholarship is presented to an entering first year student majoring in instrumental music. The student must have achieved a 3.0 GPA in high school. Preference will be given to Pennsylvania resident with financial need.

THE FRAZIER SCIENCE SCHOLARSHIP : This scholarship is presented to an incoming first year student interested in teaching science education. The scholarship is renewable if the recipient maintains a 3.5 GPA.

FRIENDS OF GEORGE DOLPH BOOK AWARD: This award is presented to a student who demonstrates academic excellence focusing on language and literature studies. The recipient must major in English or English Education.

GLADYS FRICK WEAVER NURSING EXCELLENCE AWARD: This scholarship is presented to a currently enrolled nursing student who has successfully completed 6 semesters of course work at Mansfield University. The recipient must demonstrate basic nursing knowledge by achieving a minimum of a B grade in his/her nursing courses. The recipient must also demonstrate an interest and competence in bedside nursing, an attitude of caring and compassion and an acceptance of all patients. The recipient should encourage excellence in bedside nursing in the other members of the health care team by example and by direction. The amount of this award is \$1500 annually. Applications are forwarded to the nursing faculty for final selection.

ROBERT GAROFALO MUSIC ENDOWMENT: This scholarship will be awarded to a full time music major who was in the top 25% of his or her high school class and obtained a minimum SAT of 1050. The applicant must demonstrate the highest traits of leadership, citizenship, and character. Preference is given to graduates of Lackawanna County, PA.

ARLYNE M. GARRITY COMMUNICATIONS AND THEATRE

FACULTY SCHOLARSHIP: This scholarship is presented to an upper class student who is majoring in communications or theatre and has earned a minimum of 32 credits. There are two \$500 non-renewable scholarships and a committee from the Communications and Theatre Department will make recommendations to the Scholarship Committee.

GEOGRAPHY AND EARTH AND SPACE SCIENCE SCHOLARSHIP: This scholarship will provide two \$500 awards to students majoring in geography or earth and space science. Selection will be made by department faculty based on academic credentials.

OLIVER AND LOUISE GEORGE SCHOLARSHIP: This scholarship is presented to a student based on need and academic standing with preference given to chemistry and science majors. A first year student recipient must have an SAT score of 1,000 or more. Upper class students must attain a 2.5 GPA and a 2.5 in sciences. Non-renewable. Students may reapply every year. The non-renewable award is \$750 per year and shall be paid directly to the student. The recipient is selected by the Scholarship Committee.

JAMES YORK GLIMM SCHOLARSHIP IN ENGLISH: This scholarship is presented to an entering first year student enrolled in an English B.A. or B.S.Ed. program and shows potential for developing as a writer and student of literature. The recipient must be in the top two fifths of his or her high school graduating

class. Candidates must submit analytic essays of a short poem or short piece of fiction from several choices supplied by the English and Modern Languages Department Scholarship Committee. The amount of the scholarship is \$450 and may be renewed if the recipient maintains a 3.0 GPA.

GOOD SAMARITAN SCHOLARSHIP: This full tuition scholarship was created by an anonymous donor for an entering first year student who attended elementary school in Mansfield, PA. The student must be orphaned or have only one living parent for consideration of this award.

RONALD G. & BEVERLY B. GOODWIN LEADERSHIP SCHOLARSHIP: This Scholarship is designed to provide financial support to a deserving student who has completed his or her first year and received a non-renewable scholarship. The student should be a resident of PA or the Southern Tier of New York. The applicant must be involved in leadership activities at Mansfield University, and the scholarship is renewable provided the recipient maintains a 2.65 GPA. The award recipient is determined by University Scholarship Committee. Award will be \$450 for the current academic year.

GSE SCHOLARSHIP: This scholarship is presented to an upper class student. The recipient must be enrolled in studies in the combined MU/PA College of Osteopathic Medicine Program. The amount of this award is \$1000. The chairperson of the Biology Department will make a recommendation for this award to the Scholarship Committee.

HALLORAN MEMORIAL SCHOLARSHIP: This scholarship is presented to entering first year students who have achieved academic excellence. Preference is given to those who reside in Potter County. The amount of this award is \$1000, non-renewable. The number of awards may vary from year to year, and recipients are selected by the Scholarship Committee.

NOREJANE J. HENDRICKSON SCHOLARSHIP: This scholarship is presented to an entering student from a Potter County High School who was in the top 25% of his or her senior class with an SAT of at least 1050. This is a \$500 award. The recipient is selected by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

SUSAN HIGLEY MATH SCHOLARSHIP: This renewable scholarship is presented to a female math education major and has financial need. Preference is given to a student who is from north central Pennsylvania.

HOLIDAY GREETING CARD SCHOLARSHIP: This scholarship is funded by current faculty and staff of Mansfield University. Donations are collected in the holiday month of December.

HONORS PROGRAM SCHOLARSHIP: This scholarship is presented to upper class students. The recipients must be continuing students in the Honors Program with high academic standing. The amount of each award is \$500. This scholarship will not be offered for 2011-2012.

VIRGINIA S. HOUGH SCHOLARSHIP: This scholarship is presented to an entering first year student majoring in elementary education with a first preference to a Troy student and a second preference to a Bradford County student followed by PA students. The student must be in the top two fifths of their his

or her high school graduating class and obtain a minimum SAT score of 1000. The selected student must maintain a 2.8 grade point average to maintain the remaining 3 year scholarship.

EUGENE JONES MUSIC VOCALIST SCHOLARSHIP: This scholarship is presented to entering first year students majoring in music whose primary instrument is voice. Recipients must be in the top 20 percent of their high school class, have at least 1100 SAT scores, achieve minimum scores of 80 on the Theory Placement Test and perform outstanding auditions for department admission.

ROD C. KELCHNER PRESIDENT'S SCHOLARSHIP: This scholarship is presented to a recipient who is an entering first year student, graduated in the top two fifths of his or her high school class, and obtained a minimum SAT score of 1000. This scholarship is renewable if the recipient maintains a 2.5 grade point average. The amount of this award is \$1000. A varying number of awards will be available each year. Recipients are selected by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

KELLER LEADERSHIP SCHOLARSHIP: This scholarship will be awarded to psychology majors in their second through fourth years of study, who in the judgment of their faculty, provide leadership for learning and service to the department, university campus, or community. Recipients must maintain GPAs of 3.25 or better during the semester in which they receive support from this scholarship.

RICHARD KEMPER & KURT HIDER DOUBLE REED SCHOLARSHIP: This scholarship is presented to an entering first year student music major with concentration for oboe or bassoon. The recipient is selected by the Music Department Scholarship.

JANNIS KENNEDY/ANNIE COOPER INTERNATIONAL SCHOLARSHIP: This scholarship was created to assist international students in financial need. The student must have a 2.5 GPA the first semester and at least a 2.7 every semester thereafter.

MARTIN LUTHER KING JR. SCHOLARSHIP: The Martin Luther King Jr. Scholarship is supported through the Mansfield University Foundation. The award is \$1000 for the academic year, non-renewable. General scholarship guidelines are used to select an entering student as the recipient with the Scholarship Committee making the selection.

R.L. KNOWLES FISHERIES SCHOLARSHIP: A \$400 renewable scholarship for first year Fisheries majors. Preference given to a Pennsylvania resident. If non eligible, then open to other geographic regions. Scholarship is renewable with maintaining a 3.0 GPA and selection is made by the University Scholarship Committee.

JEAN E. KOCH MEMORIAL SCHOLARSHIP: The Jean E. Koch Memorial Scholarship is supported by income from a bequest by Jean Koch invested in the Alumni Memorial Scholarship fund. This scholarship is presented to an entering first year student who demonstrates academic achievement. The amount of this award is \$1000 per academic year. General scholarship guidelines are used to select the recipient, with the decision being made by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

CARRIE KRISE CARL SCHOLARSHIP: A scholarship established by Eleanor Kehrler in memory of Carrie Krise Carl. Preference will be given to a graduate from a Lycoming County high school planning on majoring in elementary education. The student must be in top 25% of the graduating class. The award is \$500 and is renewable.

MICHAEL R. AND PEGGY L. LANE MUSIC SCHOLARSHIP: This merit-based scholarship will be selected by the music department and general scholarship guidelines will be used to select the recipients.

DR. A. VERNON LAPPS BROADCASTING SCHOLARSHIP: This scholarship recipient must be a full time student majoring in broadcasting with at least 45 credits, minimum GPA 2.5, 145 combined hours at WNTE radio and/or the MU TV Studio, a 4-minute minimum portfolio of any broadcast/digital materials created by the applicant, a proven interest in broadcasting as a career. Financial need is a consideration but not a requirement. This application process must be completed by March 1.

REVA DICKINSON LEARN AND DANA LEE LEARN ENDOWED SCHOLARSHIP: Known as the "Learn Presidential Scholars," this scholarship is presented to recipients who are entering their first year, have graduated in the top fifth of their high school senior class, achieved minimum SAT scores of 1200, and participated in scholastic and community organizations and exhibited leadership potential. This scholarship may be renewed if the recipient maintains a minimum 3.0 grade point average and demonstrates participation in leadership activities. A varying number of \$2000 renewable scholarships are available. Recipients are selected by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

LINDA AND LEWIS B. LEE MUSIC EDUCATION SCHOLARSHIP: A scholarship is presented to a returning student majoring in Music Education with a special interest in voice and/or piano. The recipient must be interested in a teaching career. Award is \$500 annually with the recipient being selected by the Music Department.

THE LEWIS SCHOLARSHIP: This scholarship is presented to incoming students majoring in music. One award is given to a recipient concentrating in piano, and the remaining award is given to an non-designated music concentration major.

THE SANDRA B. LINCK SCHOLARSHIP: This scholarship is presented to a student who has a child attending the Sandra B. Linck Childcare Center and is not receiving any other scholarships from the University. The student must be at least half-time status. This scholarship will not be offered for 2011-2012.

S. MANFORD LLOYD MEMORIAL SCHOLARSHIP: This scholarship is presented to a first year student who is majoring in math with strong academic credentials. Recipients must be in the top 10% of their high school graduating class. SAT scores are also considered. This scholarship may be renewed if a 3.0 cumulative grade point average is maintained each semester. This award is \$1,800 and is renewable. Recipient is selected by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

LOESCHKE LEADERSHIP SCHOLARSHIP: This \$500 scholarship was created by President Dr. Maravene Loeschke. The award is for a returning student who has completed their first year student year with at least a 3.0 GPA. The recipient must be a proven leader on campus and/or the Mansfield community.

FERRIS J. LUTES ATHLETIC SCHOLARSHIP: Recipients must be members of the men's intercollegiate basketball team and demonstrate the highest traits of leadership, citizenship, behavior and character both on and off the playing field.

HELEN DIEFFENBACH LUTES ATHLETIC SCHOLARSHIP: Recipients must be members of a women's intercollegiate athletic team and demonstrate the highest traits of leadership, citizenship, behavior and character both on and off the playing field.

MANSFIELD ASSOCIATION OF EDUCATIONAL OFFICE PROFESSIONALS (MAEOP) BOOK AWARD: This is a \$300 book scholarship sponsored by the University's Educational Office Professionals. Priority is given to a returning non-traditional student from Tioga County. A short essay is required and the scholarship is awarded through the University Scholarship Committee.

MANSFIELD UNIVERSITY DINING SERVICES SCHOLARSHIP: This scholarship is presented to full-time, upper class students. Recipients must have 2.8 cumulative grade point averages, be involved in campus organization/service activities and have financial need. Two full meal plan scholarships for the academic year are awarded. Recipients are selected by the Scholarship Committee.

JONATHAN G. MARCH SCHOLARSHIP: This scholarship is presented to a freshman student from Tioga County, PA. The student selected for this award is distinguished more by effort and commitment to higher education goals than by past academic achievement. This award is \$1000 per academic year with the recipient being chosen by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

JOSEPH P. MARESCO LEADERSHIP SCHOLARSHIP: This \$1000 scholarship was created by former Vice President of Student Affairs Joseph Maresco and his wife Maryann. The scholarship is for currently enrolled students with minimum grade point averages of 2.5 who make contributions to activities that serve the University Community.

RICHARD F. MASON SPACE SCIENCE AWARD: The recipient will be a graduating senior who will be continuing in graduate school to study the use and exploration of space. If no graduating senior is eligible in any school year, an upcoming senior or junior may be considered for an MU scholarship for one year. A documented record of interest in space exploration must be included.

LOUISE C. MCCONNELL CHORAL SCHOLARSHIP: This scholarship is presented to a full-time, upper class female student with a 3.0 cumulative grade point average who is a member of the Concert Choir and has performed an outstanding audition. The amount of the scholarship is \$750 and a committee of music faculty will review applicants and forward the recommendation to the Scholarship Committee.

DANIEL J. AND ANNE MITCHELL MCINERNEY SCHOLARSHIP: This scholarship is presented to a student majoring within the Geography and Geology Department. An entering freshman

must have a minimum SAT score of 1030 or be in the top 30% of their high school graduating class. An upperclassman must have an average or above average grade point average.

EDWARD MCINROY SCHOLARSHIP: This scholarship is presented to a freshman student from Tioga County, PA. The recipient is distinguished more by effort and commitment to higher education goals. The amount of this award is \$1,100 and non-renewable. The recipient is selected by the Scholarship Committee.

MARY MCINROY SHEFFER SCHOLARSHIP: This scholarship is presented to an education major who has completed registration for student teaching for either the fall or spring of the following year and has a minimum 3.0 GPA. Each applicant must submit three letters of reference that speak to the applicant's character and commitment to teaching, and a position paper of no more than 1,000 words on the importance of character in the committed teacher. The award is for \$325 and the recipient is selected by the Education and Special Education Scholarship Committee.

MELHUSH ELEMENTARY EDUCATION SCHOLARSHIP: Applicants must be majoring in elementary education, have earned 64-95 credits with an overall GPA of 3.30. An essay must also be submitted describing the student's service and volunteer work. The award is \$1000. The recipient is selected by the Education and Special Education Department.

FREDERICKA MICHELFELDER LAWRENCE 1898 SCHOLARSHIP: The Frederika Michelfelder Lawrence scholarship is a scholarship for an entering elementary education major. The student must be in the top 25% of their graduating class with an SAT score of 1100. Amount and number of awards may vary from year to year.

CORRINE L. MILLER SCHOLARSHIP: This scholarship is presented to an elementary or special education major who has completed at least 64 credits and passed the "gates" requirements for acceptance as a certification candidate. Applicants must demonstrate the attitudes and skills of an innovative, risk-taking teacher and community leader, and based on a specific set of questions. The amount of this award is \$1,000. The scholarship may be received for a second year assuming the recipient continues to meet the scholarship criteria. The Education and Special Education Department selects the recipient.

MOST PROMISING MATH STUDENT TEACHER SCHOLARSHIP: This scholarship is presented to a B.S.Ed. Mathematics major or Mathematics certification student doing student teaching. Recipient should demonstrate an exceptional ability to engage students to learn mathematics in a conceptually substantive manner. The amount of award is \$500.

MU FOUNDATION - MARTIN LUTHER KING JR. SCHOLARSHIP: This scholarship is presented to entering first year students who demonstrate academic achievement and involvement in extracurricular and community activities. The number of awards varies from year to year. Scholarships are \$1000 per academic year and are non-renewable. General scholarship guidelines are used to select the recipients with the decision being made by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

MUSIC SCHOLARSHIPS: This scholarship is presented to upper class students who have achieved minimum 2.5 cumulative grade point averages, completed 32 credit hours and completed a successful audition before the music faculty.

STANLEY HENRY NAUMAN MEMORIAL AWARD IN WILDLIFE AND FISHERIES SCIENCES: This scholarship is presented to a deserving undergraduate student in the Wildlife and/ or Fisheries program. A committee of biology faculty reviews applications and forwards a recommendation to the Scholarship Committee. This is a \$900 non-renewable award.

NORTHERN APPALACHIAN STORYTELLING SCHOLARSHIP: This \$1,400 scholarship is for an entering student majoring in Broadcasting or Journalism. The student must have an SAT score of 1100 with a minimum verbal score of 650.

JACOB OBERLY EARTH SCIENCE SCHOLARSHIP: This scholarship is presented to a student majoring in earth and space science education with a cumulative GPA of 3.5 or higher. Students applying for this \$500 non-renewable scholarship must submit a narrative describing their educational goals, extra-curricular activities, community service, and a statement of why they should be considered for this award.

ISABEL OCHSNER CHORAL SCHOLARSHIP: A scholarship created by Peggy Detwiler and Jurgen Thym. The award is for a full-time entering Music major. In addition, a resume and audition before the Choral Directors at Mansfield University is required.

HORACE B. PACKER FOUNDATION SCHOLARSHIP: This scholarship is presented to entering first year students. The student must be a resident of Tioga County, the top fifth of his/her high school graduating class, obtain an SAT of 1200 or more, participate in scholastic and community organizations and demonstrate leadership potential. This scholarship may be renewed if the recipient maintains a 3.0 cumulative grade point average and continues to demonstrate participation in leadership activities. The Horace B. Packer Foundation will provide four \$2000 scholarships for incoming students which are renewable for up to four years of enrollment. Recipients are selected by the Scholarship Committee.

PENNSYLVANIA STATE EMPLOYEES CREDIT UNION (PSECU) SCHOLARSHIP: Recipients of this scholarship are returning students with preference given to Credit Union members. Recipients are selected by the scholarship committee.

PHI DELTA KAPPA CHAPTER SCHOLARSHIP: This scholarship is presented to a student who is currently enrolled in a teacher preparation program. The recipient must be a graduate from an area high school in Bradford, Lycoming, Potter, Sullivan, or Tioga counties. The recipient must have completed 40 credit hours at Mansfield University and earned a minimum of 3.0 cumulative grade point average. This scholarship will not be offered for 2011-2012.

DEAN L. & ELIZABETH E. PHILLIPS SCHOLARSHIP: This scholarship is presented to a freshman instrumental music major. If no students meet the criteria, any music major is eligible. Preference will be given to a student from Lycoming County. The scholarship is renewable if the recipient maintains a 3.0 GPA.

PRESSER SCHOLARSHIP: This scholarship is presented to a student who demonstrates excellence in academics and music. The recipient must excel in applied music and academic subjects with at least a 3.0 cumulative grade point average. The scholarship is based on merit. The recipient must be a full-time student for the academic year after receiving the scholarship. This award amount may vary for each academic year. A committee of music faculty reviews the applications and forward their recommendation to the Scholarship Committee. The amount of the scholarship is \$2250 and is non-renewable.

MARY A. AND ROBERT H. RODINE SCHOLARSHIP: The Rodine Scholarship is a \$1400 award for a full time student who is of at least a sophomore status from Lackawanna or Luzerne Counties. Scholarship is renewable, and students must have at least 3.0 GPA.

CARL D. RUCK MUSIC SCHOLARSHIP: This scholarship is presented to a junior music major with preference to an instrumentalist, vocalist, keyboard, performance, or music education. The recipient must maintain a GPA of 3.6, obtain a minimum SAT score of 1150, successfully complete a live audition with standard letters of reference, maintain a minimum of B grades in Music Theory and History courses and major applied instrument or voice, and make a contribution to activities that serve the University Community. Preference will be given to a student from Luzerne County, PA. This scholarship is renewable if the recipient maintains criteria.

SAGE ENGLISH BOOK AWARD: This scholarship is presented to a freshman English major with the highest verbal SAT score and class rank. The award provides a credit for books at the University Bookstore. The amount of this award is \$250.

THE IRV SCHANKMAN MEMORIAL SCHOLARSHIP: This scholarship will be presented to currently enrolled School Library and Information Technologies graduate students based on a submission of a written essay. Essays will show the applicant's sincerity, motivation, and idealism and demonstrate the applicant's conviction and enthusiasm for the profession of school librarianship.

A. HUGH SCHINTZIUS INTERNATIONAL STUDENT SCHOLARSHIP: This scholarship is presented to an international student pursuing their first undergraduate degree and has achieved academic achievement based on several factors. This scholarship is renewable if specific grade point averages are achieved. The amount of the scholarship is \$500.

ELINOR SCHIPBANKER ART SCHOLARSHIP: This scholarship is presented to a freshman art major. At least one \$800 award is available each academic year, non-renewable. General scholarship guidelines are used to select the recipient, with the Scholarship Committee making the selection.

SCHOLAR RECOGNITION BOOK SCHOLARSHIP: This scholarship is presented to full-time, upper class students who are involved in extracurricular activities. The award provides a credit for books at the University Bookstore and is awarded by the Scholarship Committee. This scholarship will not be offered for 2011-2012.

C. FRANK & HELEN M. SEIDEL PSYCHOLOGY ENDOWMENT: A \$500 scholarship meant to assist scholar athletes who are also majoring in Psychology. The student must have successfully

completed his or her freshman year and have maintained a 3.0 GPA while playing Men's or Women's Basketball, Women's Softball, or Men's Baseball. Renewable.

THE ARTHUR AND MARTHA SHARPE SCHOLARSHIP: This scholarship is presented to a nutrition and dietetics major. Preference is given to a student from Wyoming or Clinton County.

ALEXANDER E. SIDOROWICZ SCHOLARSHIP: This scholarship is offered to a freshman music major in memory of Alex Sidorowicz. The student must have an SAT of 1100 with a minimum score of 80 on the theory placement test. This scholarship is renewable with the selection made by the music department.

WAUNITA SIMONSON PRICE BOOK AWARD: The recipient of the scholarship must be an undergraduate education major with at least a 3.2 grade point average. The Education and Special Education Department will recommend a qualified applicant to the Scholarship Committee.

SLABEY SCHOLARSHIP: This scholarship is presented to full-time students who are majoring in computer science or information systems. The recipient must have a minimum cumulative grade point average of 2.70 and have completed six credit hours in computer science. The recipient must maintain good academic and social status. Preference will be given to students who are involved in or show an interest in diversity issues and multicultural affairs and demonstrate financial need. The recipient must contribute to the campus community by participating in student organizations, activities or forums.

HOWARD J. JR. & OLYNDA CHAFFEE SMITH MUSIC FUND: This fund provides support for the choral program needs in the form of travel or scholarship. The fund can be used for two purposes: to help offset travel costs of group choral tours or to provide scholarship assistance to students enrolled as a vocal music major.

ALBERT L. SMITH AND DR. MARCELLA M. HYDE-SMITH SCHOLARSHIP: This is a \$450 scholarship for a currently enrolled teacher education major. Scholarship is renewable, and the student must have at least a 3.0 GPA; additionally the student must have completed four semesters for initial consideration.

KATHRYN MCINROY SMITH AND ALICE SMITH BAILEY SCHOLARSHIP: This scholarship is presented to an entering freshman majoring in music and who was in the top 20 percent of his or her senior high school class. Recipients must have a minimum SAT score of 1100, achieve a minimum score of 80 on the Theory Placement Test, and perform an outstanding audition for department admission. Preference is first given to students who graduated from the Wellsboro Area Public School District. This scholarship is renewable if the recipient continues as a full-time music major, maintains a 3.0 grade point average, and is recommended by the primary teacher and ensemble director based on the recipient's quality of contribution to the ensemble.

KAREN STARNER-JACOBSON SCHOLARSHIP: Scholarship honoring the memory of Karen Starnier-Jacobson is available to a member of Delta Zeta Sorority who has been a sister in good standing for at least one year. The successful applicant must be currently active within the chapter with a GPA of 2.7 or greater and have

successfully completed at least 64 credits by the end of the spring 2011 semester. Amount of the award to be determined.

GRACE STEADMAN AND MARGARET STEADMAN SCHOLARSHIP: A \$450 scholarship for an entering music major, this scholarship is named in honor of Grace and Margaret Steadman. The recipient must have an SAT score of 1050 and be in the top 25% of graduating class.

JEAN SKRYNSKI KREUSCHER SCHOLARSHIP: This scholarship is presented to students who have been accepted for enrollment as music majors or currently enrolled music majors. Recipients are selected on talent without regard for financial need. Recipients must have attained SAT scores of 900 or more. The number of scholarships is determined annually. Several \$1000 awards and several \$500 non-renewable awards are given for the academic year. A committee of music faculty reviews applicants and forwards recommendations to the Scholarship Committee.

THE SUNN ENGLISH BOOK AWARD: This scholarship is presented to a returning student majoring in English or English Education. The award honors academic excellence and provides credit for book purchases at the University Bookstore.

RICHARD SWARTZ AWARD IN DOUBLE REED: This scholarship is presented to an upper class double reed major maintaining at least a 3.0 cumulative grade point average. This is a \$150 award.

THE INA G. TABOR SOCIAL WORK SCHOLARSHIP FUND: This scholarship is presented to a student who, at the time selected to receive the scholarship, has completed 91 credits and has at least 3.0 GPA in the social work major. Preference is given to a student originally from Tioga, Potter, or Bradford counties. The recipient must be considered to be of high moral and ethical standards and have a commitment to practice rural social work. Selection of the \$2,000 award is made by the Social Work Department.

RICHARD AND DORIS TALBOT MUSIC SCHOLARSHIP: These Scholarships were set up to honor the Talbots for their dedication to the marching band in particular, the Music program in general. The scholarship is designed to offer tuition assistance to an incoming freshman Instrumental Music major. Recipient must perform in the marching band in the fall and an instrument performance organization in the spring. Applicant must have a high school GPA of 3.00 or greater and have performed in their high school marching band for four consecutive years. Applicant must also submit an essay entitled, "The Importance of Music in my Life." Music faculty will decide the recipient.

HAROLD E. TERRY SCHOLARSHIP: This is a \$450 scholarship for a junior or senior History, Geography, Political Science or Social Studies major. The student must have at least a 3.0 GPA and award will be determined by the Scholarship Committee.

ELDEN AND MARJORIE TEWKSBURY SCHOLARSHIP: This scholarship is presented to an undergraduate student majoring in teacher education who has completed at least 30 credit hours with a minimum 3.0 grade point average. Applicants must submit an essay that addresses the knowledge base metaphor for teacher education at Mansfield University: "Teacher as Reflective Decision Maker." Preference for one of the two scholarships will be given to a resident of the Southern Tier of New York. The award is \$1000. The scholarship may

be renewable and is awarded by the Education and Special Education Department.

TIOGA COUNTY ASSOCIATION OF TOWNSHIP OFFICIALS

SCHOLARSHIP: This \$450 scholarship is available for a student from Tioga County, PA who is an active township official or a child or grandchild of a township employee. The student must major in Political Science and award is made by the Scholarship Committee.

MICHELE TOWERS SCHOLARSHIP: This scholarship is presented to an elementary education or special education major who has completed 30-95 credits with a minimum 3.0 GPA. Recipients are also selected on their orientation to service and commitment to teaching. Students must complete an application and essay about the concept of service. The Education and Special Education Department will select the recipient.

RUTH TOZER BIXBY TRUST SCHOLARSHIP: Varying number of \$1,200 awards are available in honor of Ruth Tozer Bixby. Students must be entering their first year and general scholarship guidelines will be used to select the recipients. This scholarship will not be offered for 2011-2012.

THE TRI-COUNTY/CLAVERACK RURAL ELECTRIC COOPERATIVE

SCHOLARSHIP: A \$450 scholarship is presented to a student who is a dependent of a Claverack of Tri- County Rural Electric Cooperative member. Students must be in the top 50% of their senior class, score over 1000 on the SAT, and enroll as a full time student. In addition, they must demonstrate the highest traits of leadership, citizenship, and character and should have been involved in Youth Tour.

UNIVERSITY SENATE SCHOLARSHIP: This scholarship is presented to an upper class student who has excelled academically. The amount of this award is \$1500 per academic year. The selection will be made by the Scholarship Committee.

WARD/ACP MANUFACTURING SCHOLARSHIP: These \$1,000 scholarships are available to children of Ward/ACP Manufacturing employees who are not officers. Amounts increase each year and initial recipients are selected by the University Scholarship Committee.

FOSTER AND MARLENE BORCK WETMORE SCHOLARSHIP: This \$500 per year scholarship was created by Foster and Marlene Borck Wetmore. The award is for a University sophomore who has at least a 2.8 GPA and is aware of the importance of a college education. Recipient is selected by the University Scholarship Committee.

LOIS SHENNEN WHITE EDUCATION SCHOLARSHIP: This scholarship will be awarded to a full time student who is majoring in Education. This award will be for incoming first year students only. The incoming student must reside in Scott Township, PA and must be in the top fifth of their high school graduating class.

ROBERT CAROL WOOLEY SCHOLARSHIP: This scholarship is available to a graduate of North Penn High School in Blossburg, PA who is non-traditional student.

THE YOUTH LEADER SCHOLARSHIP: This scholarship is presented to an individual who was previously recognized as a Youth Leader in his or her senior year of high school by the

Mansfield Area Chamber of Commerce. The recipient is an incoming freshman from Tioga County who has demonstrated achievement in scholarship, service, and leadership positions.

DR. EDWIN ZDZINSKI SCHOLARSHIP: This scholarship is presented to a full-time music student with junior status in the Music Education curriculum and at the time selected to receive the award in the senior year, must have a 3.0 GPA in music and have recommendations from instrumental conducting faculty. The award is \$250 made by the Music Department Scholarship Committee.

AWARDS

AMERICAN CHEMICAL SOCIETY, CORNING SECTION STUDENT

AWARD: Recognition on a plaque located in Grant Science Center to a graduating senior of high academic achievement.

AMERICAN INSTITUTE OF CHEMISTS STUDENT AWARD: A one-year associate membership in American Institute of Chemists and recognition on a plaque in Grant Science Center to a graduating senior of high academic achievement.

BIOLOGY OUTSTANDING MAJOR AWARD: The Commonwealth of Pennsylvania University Biologists annually recognize the outstanding biology major from Mansfield University at its annual meeting held on the campus of one of the 14 state system universities. The award includes a trip to the annual meeting, the presentation of the personal certification at the meeting banquet, and a certificate for display in Grant Science Center.

BROADCASTING AWARD: One award from the New York Academy of Television Arts and Sciences.

RHINO AWARD: One award given for contributions to the Theatre.

TIADAGHTON AUDUBON SOCIETY MEMORIAL ENVIRONMENTAL

AWARD: A competitive cash grant for one or more promising biology students to conduct independent research in disciplines related to the environment or organisms living in natural ecosystems. The award is made in memory of noted environmentalist Forrest Watkins, and former Mansfield Biology professor, Dr. Charles Weed.

SAM DEE THOMAS OUTSTANDING PAINTING AWARD: Given for oil painting or waterbase media.

UNIVERSITY POLICIES

The University reserves the right to make changes in curricula, degree requirements, course offerings, and all academic regulations at any time, when, in the judgment of the faculty, the President, and the Council of Trustees, such changes are in the best interest of the students and the university. University policy and procedures can be found online in The Mountie Manual at <http://mansfield.edu/residence-life/>.

Academic Dismissal

A degree seeking student who earns a cumulative grade point average (GPA) that is below the required minimum academic GPA at the end of any semester will be dismissed from Mansfield University. The minimum GPA varies depending upon how many credits the student has attempted at Mansfield University and how many credits the university has accepted in transfer. (See “Minimum Academic Standards” below.) If a student is academically dismissed, that student may be reinstated to the university by appealing to and appearing before the Academic Standards Review Board (A.S.R.B.) prior to the beginning of the next semester, or by applying to the Admissions Office for re-admission following an interval of one year. The decision of the A.S.R.B. is final and may be appealed only in instances of alleged discrimination or failure of the board to properly follow university specified procedures and policies. Students who are reinstated by the A.S.R.B. are given two semesters to acquire the necessary G.P.A. for continued matriculation. This is contingent upon earning a minimum 2.0 semester G.P.A. for the semester immediately following the 1st dismissal. A student who has attempted 45 or fewer credits and is academically dismissed but is then subsequently reinstated by the Academic Standards Review Board will be assigned to the University Learning Center to participate in the Academic Skills Development Program and will be assigned an advisor in the Academic Advising Center. The purpose is to help the student improve his or her overall academic performance. Failure to participate in the Academic Skills Development Program will be considered at any subsequent dismissal hearing. Academic dismissal may impact a student's eligibility for financial aid. A second or subsequent dismissal terminates the student's association with Mansfield University.

Academic Integrity

The integrity of all scholarly work is at the foundation of an academic community. Students are expected to do their own academic work. Dishonesty in academic work, including cheating, academic misconduct, fabrication, or plagiarism is unacceptable. Faculty are expected to instruct students in ways of avoiding these forms of academic dishonesty. Faculty are also responsible for assessing and reporting all charges of academic dishonesty to the Office of the Provost. See the policy and procedure listed at: <http://mansfield.edu/academic-affairs/resources-for-faculty/forms-and-procedures/> under “Academic Integrity Policy.”

Academic Major/Minor Requirements

The requirements for student major and/or minor appear on the Degree Audit, which is maintained by the Registrar's Office and is available online. Each student must complete the major/minor requirements that exist at the time he or she is admitted to the university. Should major/minor requirements change, it affects only new students and currently enrolled students who may choose to satisfy the new program requirements. Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission.

Academic Minor

A minor consists of no less than 15 and no more than 24 related credit hours in an approved program of study. The minor is a clearly defined area of study that is sufficiently distinct from a student's academic major to qualify for recognition on the transcript. Students may apply up to 8 credits from the core discipline of the major to an academic minor. Students must maintain a minimum 2.0 cumulative grade point average (GPA) in all courses required.

Bachelor of Arts degree candidates must choose between a minor or second year foreign language proficiency. To earn a Mansfield University minor, students must complete at least 50% of the required minor course work from Mansfield University. Though not a requirement for other degrees, a minor can be used to enhance academic experience and will appear on the student's permanent record. Forms for declaring an academic minor are available online at <http://esd.mansfield.edu/registrar/>.

Academic Probation

A matriculated student whose cumulative grade point average (GPA) is between the minimum academic standard and 2.00 at the end of a semester is placed on academic probation until the GPA is 2.00 or above.

Probationary status does not mean that a student is dismissed from the University. It means that although the minimum academic requirements have been met, the GPA is not acceptable for graduation. A student on probation receives a letter from the university about probationary status and subsequent assignment to the Academic Advising Center.

With the assistance of an advisor, students develop strategies for improvement and take advantage of available academic support services.

Academic Standing

Good Academic Standing is defined as a minimum 2.0 cumulative GPA.

Accessibility Services

Section 504 of the Rehabilitation Act of 1973 provides that any otherwise qualified handicapped individual shall, solely by reason

of his or her handicap, be excluded from the participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving federal financial assistance. Section 504 prohibits discrimination against individuals with handicaps in recruitment, testing, admissions, or after being admitted to a college or university. Mansfield University is committed to making the necessary adjustments in order that persons who are mentally and/or physically challenged are able to fulfill academic requirements and to ensure that they are not excluded from employment or services because of their disabling condition. Inquiries should be directed to the Human Resources office, Alumni Hall 321, or call (570) 662-4052.

ACT 48

ACT 48 of 1999 requires persons holding Pennsylvania professional educator certification to complete continuing education requirements every five years to maintain active certification. Pennsylvania certified teachers wishing to use credit course work at Mansfield University to meet the Act 48 requirement should log on to the following website: <https://www.edulinkinc.com/act48Provider/default.asp>, click on the 'Professional Educator' link, create an account, enter the course(s) information and submit. Mansfield University will then verify the information and report courses satisfactorily completed to the Pennsylvania Department of Education. Some non-credit courses and workshops offered by Mansfield University may also be eligible for ACT 48 credit. Attendees should also use the Edulink site to submit course completion for Mansfield University approval.

Teachers are responsible for selecting courses pertaining to their areas of certification or teaching assignments. Contact the Registrar's Office, (570) 662-4874.

Add/Drop

Students may ADD courses during the first seven calendar days of a semester and DROP courses during the first six calendar days of semester using WebAdvisor. If the course is full or creates a conflict with scheduling, students may use an Add card available in the Registrar's Office, 224 South Hall. The class instructor must sign all add cards. Students who have earned fewer than 60 credits you must also have add cards signed by your advisor.

Adding Major(s) to a Completed Baccalaureate Degree

A graduate of Mansfield University may be readmitted to add new major(s) to a prior degree. Each student must be accepted by the department offering the program of study and fulfill all the requirements for the new major. Any courses required in the new major that were completed prior to returning to Mansfield will be waived. General Education will be considered satisfied, except specific requirements for the second major, if they have not already been completed.

The GPA of the original degree will be "sealed." There will be a new and totally distinct GPA for the new major(s). A student must maintain a minimum GPA of 2.0 in work taken after the baccalaureate degree to remain at Mansfield. There is no

minimum number of hours which must be completed after receipt of the degree in order to add a new major.

Upon completion of all requirements, a notation will be made on the permanent record indicating the new major(s) and the date completed.

Advanced Placement (AP)

Mansfield University accepts high school courses taken prior to admission to the university under the national Advanced Placement (AP) program. A minimum score of three (3) on each qualifying examination is required for award of credit. No more than 24 credits earned by such examinations may be applied toward graduation requirements.

Application for Graduation

Candidates for the associate degree or bachelor's degree must complete an Application for Graduation online via WebAdvisor no later than one year prior to the anticipated graduation.

Students are encouraged to participate in a commencement ceremony, which recognizes and honors their academic accomplishments. Commencement ceremonies are held following the fall and spring semesters.

Attendance Policy

Regular and punctual class attendance is expected. Documented excuses because of illness, serious mitigating circumstances, or official university representation will be accepted by all faculty members and will permit students to make up missed tests and/or graded assignments in a reasonable manner at a time agreeable to instructor and student. Students must provide documentation before absences can be excused. All instructors are expected to make their class participation and attendance policies clear in the course syllabi.

Audit (AU)

A student interested in auditing a course (attending class, but receiving no grade or credits) must submit the Audit Form before the end of the Add Period (first seven calendar days of the semester). The class instructor must grant permission for any student to audit a course. Not all courses are available for audit. Courses with high degrees of specialized equipment, and one-on-one faculty-student interaction (such as science labs) are generally not open to audit. Exceptions to this policy may be petitioned to the Dean for review. The cost for auditing is \$50. The Audit Form is available at The Registrar's Office, 224 South Hall.

Change of Major/Minor

Change of major or minor forms are available online at <http://esd.mansfield.edu/registrar/>.

Class Standing

Class standing is determined by the total number of credit hours earned including credits accepted in transfer from other accredited colleges.

Freshman	0-29	credit hours earned
Sophomore	30-59	credit hours earned
Junior	60-89	credit hours earned
Senior	90+	credit hours earned

College Level Examination Program (CLEP)

We participate in the national College Level Examination Program (CLEP). Mansfield University grants credit for CLEP SUBJECT examinations, but does not grant credit for the CLEP GENERAL examination. Subject examinations are available in the areas of business, composition, education, foreign languages, humanities, mathematics, science, and social science.

CLEP is a way to earn college credits for what the test-taker already learned and may shorten the college experience. Information regarding CLEP examinations is available from the Admissions Office.

Commencement Honors

Superior scholastic achievement is recognized at Commencement. A bachelor's degree student must have completed at least 45 credit hours at Mansfield University prior to the final semester to receive honors recognition at Commencement. Honors designations are based on cumulative grade point average (GPA) as indicated:

Cum Laude	3.35 to 3.64
Magna Cum Laude	3.65 to 3.94
Summa Cum Laude	3.95 to 4.00

Students who meet the honors requirements upon completion of their final semester with a minimum of 60 credit hours at Mansfield University, will have such recognition noted on his or her permanent record.

An associate degree student must have completed at least 30 credit hours at Mansfield University prior to the final semester to receive honors recognition at commencement. A cumulative GPA of 3.5 or higher is required for this recognition.

Complete Degree/Program Requirements Off Campus

All first baccalaureate degree students must complete at least 30 of their last 45 credits at Mansfield University. Undergraduate matriculated degree seeking students who wish to complete their degree/program requirement (s) at another regionally accredited institution will be required to secure prior approval by petitioning the Dean. The process will also require completion of the Transfer Credit Form. The Petition - Undergraduates and Transfer Credit Form are available on the Registrar's Office website at <http://esd.mansfield.edu/registrar/>. To attend another PASSHE university please refer to the Visiting Student policy. To attend a college or university outside the United States, students should refer to the Study Abroad and International Exchanges Policy. For additional residency credit completion requirements, please refer to the Maximum Hours Accepted in Transfer policy.

For active-duty service members, the academic residency requirements will not exceed 25 percent of the undergraduate degree program. If the undergraduate degree is available 100 percent online, the academic requirements will not exceed 30

percent of the undergraduate degree program. With the exception of specific course areas such as majors, the academic residency

requirements for active-duty service members will not include a "final year" or "final semester" requirement.

Course Load

A normal academic course load is 12 to 18 credit hours. To schedule more than 18 credit hours in a semester, the student must have a 3.0 cumulative point average (GPA). A student who does not have a 3.0 GPA may submit a petition to the Dean for permission. Petitions are available online at <http://esd.mansfield.edu/registrar/forms/forms-list/>.

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Freshman	0-29 credit hours earned
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Course Time Limit

Mansfield University welcomes the return of students who for a variety of reasons have not completed their undergraduate degrees. Courses completed, either at Mansfield or in transfer, more than ten years prior to the date of readmission will not routinely be counted towards graduation requirements. The content of these courses may no longer be current or required for a degree program. Students may apply, via a petition that includes specific justification for a waiver, to have course work older than ten years applied toward a degree. Any such petition may need to address courses individually. Nothing in this policy precludes a department from establishing more stringent standards.

Credit by Exam (EX)

Matriculated students who feel they have already mastered the material in Mansfield courses may request permission to challenge the courses by examination. Students may elect this option during the first seven calendar days of the semester. This does not include courses in the areas of independent study, ensemble or other group participation courses, student teaching or pre-professional experience, seminar or selected topics, and laboratory experience unless special permission is provided by the department offering the course and the Dean.

Students may not challenge a course in which they have demonstrated competency by passing a more advanced course nor a course that has been waived because of demonstrated competency or advanced placement. The examination must be completed and the contract returned to the Dean within the first four weeks of the semester. Applications are available online at <http://esd.mansfield.edu/registrar/>.

Dean's List

The Dean's List is issued at the close of each semester. It includes only undergraduate matriculated students. A student must earn at least 12 credits for which a letter grade is received (P/F and S/U grades are excluded) to be eligible. The semester grade point average (GPA) must be between 3.50 and 3.99 inclusive.

Dual Degrees

Students may complete two baccalaureate degrees simultaneously. The student must complete all program requirements for both degrees and earn a minimum of 150 undergraduate credits.

Dual/Multiple Majors

Students may complete multiple majors within the same degree; that is, a B.A. major may be added to a B.A. degree, a B.S. to a B.S., etc. The first major selected is considered primary. The one exception to this is the Liberal Studies major. A student may not declare Liberal Studies as a second major. Students may also complete two majors that do not lead to the same degree (B.A., B.S., B.M., etc.). To complete two majors leading to different degrees, the student declares the first major and the second major. The first major determines the specific degree awarded, and successful completion of the second major is noted on the student's transcript (“Successfully completed requirements of the academic major in...”) Completion of two different majors does not result in the award of two degrees.

Due Process (Appealing a Grade)

A student wishing to appeal a grade, should refer to the procedures outlined at <http://mansfield.edu/academic-affairs/resources-for-faculty/forms-and-procedures/> under “Due Process/Appeals” or “Grade Appeals”.

Family Education Rights and Privacy Act / FERPA for Students

<http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>
FERPA (Family Education Rights and Privacy Act) was enacted in 1974. It is a set of regulations that applies to institutions that receive funding from the Department of Education. FERPA was written specifically to protect the interests of students and guarantees them the right to inspect and review their education records, the right to seek to amend education records, and the right to have some control over the disclosure of information from those education records.

Mansfield University regards all of its students, regardless of age, as emancipated. This means that the regulations apply to all of our students regardless of age.

An education record is defined as any record that directly identifies a student and is maintained by the institution or educational agency or by a party acting for the institution or educational agency. A key characteristic of education records is that they are shared by university employees who have a legitimate need to advise students, enter information into the record, or work with the data contained in the records. Education records can exist in any medium including the following: handwritten, typed, computer generated, videotape, audiotape, film, microfilm, microfiche, e-mail, and so on.

The following information is considered public information and may be made available without prior consent. It is considered part of the public record of a student's attendance: name, address, phone number, email address, date/place of birth, major, participation in activities/sports, weight/height of members of athletic teams, dates of attendance, degrees/awards received and most recent educational institution attended. Any student wishing to prevent the public disclosure of this information may request so by contacting the Office of the Registrar, 224 South Hall prior to the close of the first week of classes of any given academic semester.

The Family Education Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the university receives a request for access. Students should submit to the Registrar, Dean, Department Chairperson, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Council of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University may disclose education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Mansfield University of Pennsylvania to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-4605

<http://www2.ed.gov/policy/gen/guid/fpco/index.html>

Copies of the University's policy governing the Family Education Rights and Privacy Act and Student Release of Information Forms are available at the Office of Enrollment Services, Room 224, South Hall. Questions concerning FERPA should be referred to the Registrar.

Grade Change

If an instructor makes an error in the final grade given to a student, a grade change request must be made within the first three weeks of the subsequent semester. Grade changes are not allowed after that time unless a request for an extension is made by the faculty member to the Dean.

Grading

Professors provide students written syllabi prior to the end of the first week of class which includes the criteria for academic evaluation. Mansfield University uses a 4-point grading scale, as shown below, to evaluate academic performance.

GRADES	INTERPRETATION	GRADE POINTS
A	Excellent	4.0
A-		3.7
B+	Above Average	3.3
B		3.0
B-		2.7
C+	Good Standing	2.3
C		2.0
C-		1.7
D+	Minimally Passing	1.3
D		1.0
D-		0.7
F	Failure	0.0

The following designations may be used in addition to the grades shown above:

AU	Audit
EX	Credit by Examination (D- grade or better)
I	Incomplete
P/F	Pass/Fail (D- grade or better)
S	Satisfactory (D- grade or better)
U	Unsatisfactory
W	Withdrawal from a course after the drop period

The cumulative quality point average (QPA) is determined by dividing the total number of quality points earned by the total number of credit hours of work attempted. The cumulative QPA is the index by which a student's academic standing is judged.

Graduate Courses

An undergraduate student at Mansfield, may enroll in a graduate course (500 level) if he or she is within 18 credit hours of having satisfied the requirements for a bachelor's degree (as certified by the Registrar's Office).

Graduate courses may be applied toward the undergraduate degree requirements upon completion of the "Request for Permission to Enroll in Graduate Courses" request. (The request form is available online at <http://esd.mansfield.edu/registrar/>) and satisfactory completion of such course(s).

Graduate courses may count for graduate credit upon conferral of the bachelor's degree if these credits raise the total beyond the number required for the bachelor's degree. This does not imply admission into the Graduate Program.

Graduation Requirements

It is the student's responsibility to know the university requirements for the chosen major and for graduation.

Students who graduate from Mansfield University with an associate degree, must meet the following requirements.

1. Earn the minimum number of credit hours for the particular major, plus any required preparatory (0090) courses. Preparatory courses completed increase the total number of credit hours required for graduation.
2. Earn a minimum 2.0 cumulative grade point average (GPA) in all work attempted and in the major.
3. Complete requirements for general education and the major.
4. Complete the Writing Across the Curriculum, Information Literacy and Global Awareness programs.

Students who graduate from Mansfield University with a baccalaureate degree, must meet the following requirements.

1. Earn the minimum number of credit hours for the particular major, plus any required preparatory (0090) courses. Preparatory (0090) courses completed increase the total number of credit hours required for graduation.
2. Earn a minimum 2.0 cumulative grade point average (GPA) in all work attempted and in the major.
3. Complete requirements for general education and for the major.
4. Complete 40% (48 credits) of the credits required for a degree at the 3000 course level or higher. Students who transfer in 31-60 credits must complete 45 upper division credits. Students who transfer in 61 or more credits must complete 42 upper division credits.
5. Complete the Writing Across the Curriculum program.
6. Complete a second year language proficiency or minor for a B.A. degree. Second year language proficiency is defined as successful completion of the 2202 level of a foreign language.

Students who graduate from Mansfield University with a recommendation for teacher certification must meet the following requirements.

1. Earn the state mandated minimum GPA for your cohort group (determined when first "gates" requirements are met and not sooner than 48 credits).
2. Complete a teacher preparation certificate program approved by the Pennsylvania Department of Education.
3. Complete all Mansfield University requirements for a baccalaureate degree.
4. Pass all state mandated Praxis examinations for your area(s) of teaching certification.
5. Present evidence that state mandated clearance requirements as specified under Act 34 and Act 151, Act 114 (PA FBI), and PA School Code 23.44 (proof of a negative TB Tine Test) have been met.

A student may earn a university degree with less than the state mandated minimum GPA, lacking the required clearances, or without having passed all Praxis examinations, but the University will not recommend that student to the Pennsylvania Department of Education for certification.

No student may be granted an associates degree or a baccalaureate degree from the University without earning at Mansfield University at least 25% of the required total credits for the degree. Exceptions may be made with approval from the Office of the Provost. Transfer credit may be awarded for up to 50% of the major requirements including major related electives. If the remaining credits do not meet Mansfield University guidelines for general education, they are applied as free electives.

Each student will receive a "Graduation Outlook" upon completion of the Intent to Graduate form. The "Graduation Outlook" notes courses and/or requirements still necessary to be completed for graduation including any deficiency in the cumulative grade point average (GPA) in all work attempted and in the major. A final outlook showing deficiencies will be sent after the end of the Add/Drop period in the semester in which the student intends to graduate.

Harassment and Non-Discrimination Policy

It is the policy of Mansfield University to ensure a work, educational and residential environment dedicated to the ideals of equity, justice, and fairness; that is free of unlawful harassment and/or discrimination or the denial of equal employment opportunity because of race, color, religion, disability, ancestry, national origin, age, sex, veteran status, political affiliation or sexual orientation, including sexual harassment. In accordance with state and federal laws including Title VI of the Civil Rights Act of 1964, Section 1604 of Title VII of the Civil Rights Act of 1964, Executive Order 11246 and 11375, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Pennsylvania Human Relations Act and all other applicable legislation, Mansfield University prohibits and will not tolerate unlawful harassment and/or discrimination on the basis of an individual's race, ethnicity, color, religion, sex, sexual orientation, national origin, ancestry, disability, age, veterans status, political affiliation or other factors.

Mansfield University is responsible for educating all of its students, faculty and staff about what constitutes unlawful harassment and discrimination because they diminish the value of human dignity and are contrary to Mansfield's policy of respecting all individuals regardless of belief or status; and what steps will be taken to resolve complaints.

Conduct will be deemed harassing and/or discriminatory in accordance with and as defined in applicable state and federal statutes and case law decisions.

Discrimination - A behavior, action or practice that results in an allegation of different treatment, whether intended or unintended, based on age, color, disability, gender, marital status, national origin, race, religion, sex, sexual orientation, veteran status, political status, or ethnicity. Discrimination may also occur when a requirement, qualification or factor which, taken at face, is not discriminatory on the basis of the protected groups but which results in the exclusion or restriction of a protected group.

Harassment - Behavior intended to harass, annoy, or alarm another person that can include but not be limited to: strikes, shoves, kicks or other forms of physical contact, including threats to do the same; stalking or repeatedly following a person in or about a public place or places; engaging in a course of conduct or repeatedly committing acts that have no legitimate purpose, which harm or seriously annoy another person.

Racial Harassment - Verbal or physical conduct that is directed at an individual because of his/her race, color, national origin, ancestry or ethnicity, that is sufficiently severe or pervasive and has the effect of creating an intimidating, hostile or offensive work or educational environment, which unreasonably interferes with work or educational performance, or negatively affects an individual's employment or educational opportunities.

Disability Harassment - Verbal or physical conduct that is directed at an individual because of his/her disabling mental or physical condition that is sufficiently severe or pervasive and has the effect of creating an intimidating, hostile or offensive work or educational environment, which unreasonably interferes with work or educational performance, or negatively affects an individual's employment or educational opportunities. Section 504 of the Rehabilitation Act of 1973 provides that "no otherwise qualified individual with a disability shall, solely by reason of her/his disability, be excluded from the participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving federal assistance." Mansfield University is committed to making reasonable accommodations so that students with disabilities are able to fulfill academic requirements.

Sexual Harassment - Unwelcome gender related behavior, including unwelcome sexual advances, request for sexual favors, and other verbal or physical conduct of a sexual nature when submission to such conduct is made either by an explicit or implicit term or condition of an individual's employment or education; submission to, or rejection of such conduct by

an individual is used as a basis for employment or academic decisions affecting such individuals; or such conduct has the purpose or effect of unreasonably interfering with an individual's work performance or of creating an intimidating, hostile or offensive working, education or living environment. The U. S. Department of Education Office for Civil Rights further defines sexual harassment as verbal or physical conduct of a sexual nature, imposed on the basis of sex, by an employee or agent of a recipient of federal funds that denies, limits, provides different conditions or provision of aid, benefits, services, or treatment protected under Title IX.

Assistance in implementation, dissemination and explanation of this policy may be obtained by contacting the university's Social Equity and Multicultural Affairs Officer, Alumni Hall Room 106/107, 570-662-4071.

Human Subject Research Policy

Research projects undertaken by Mansfield University students, staff, or faculty members must be approved prior to involvement of human subjects and the initiation of the research project. The review process is intended for the protection of the human subjects and shall be the sole object of the review. The Mansfield University Institutional Review Board (IRB) is the final authority in determining approvals of human subjects research. To Faculty and Students wishing to apply for a request for review of research, should contact the department chairperson who will provide a copy of the guidelines, application form, and a sample informed consent form. You must submit two copies of the Request for Review of Research form and one copy of the Informed Consent form must be submitted to the department chair. Depending on the nature of the research, and the potential risks to subjects, the department will undertake a departmental review of the application, or they will forward it to the IRB Chairperson for board review. Copies of the IRB guidelines and forms are also available at the university web site: <http://www.mansfield.edu/~grantsde> or by contacting Dr. Francis Craig, Chairperson of the IRB, South Hall. Persons undertaking human subjects research should plan to submit their applications at least 3-4 weeks prior to the proposed research project start.

IBO Credits

The International Baccalaureate Organization (IBO) collaborates with secondary schools around the world on programs for students ages 16 through 19. The two-year comprehensive curriculum allows participating students and IBO graduates to fulfill requirements of various national education systems. In addition to applied academics, the IBO program works with students to develop responsible citizenship, leadership skills, and cultural sensitivity.

IBO students entering Mansfield University may receive 6-8 credits for each higher level IBO examination completed with a score of 4-7. Credits are awarded for higher-level subjects. No credit is awarded for subsidiary-level subjects. For more information regarding IBO credits, please contact our Transfer Coordinator, in the Admissions office, at 570-662-4408.

Incomplete Grades (I)

An "I" (Incomplete) grade is used to denote unfinished work because of serious mitigating circumstances beyond the student's control. It is a privilege granted because of circumstances, not a right to be expected by the student.

The I is submitted by professors at their discretion on the grade report form at the end of the semester. The professor and the student will identify the specific requirements to be satisfied in order to convert the I to a letter grade. The student is responsible for the removal of an I grade by the end of the fourth week of the subsequent semester except in cases where serious circumstances prevail and a request for an extension is made by the faculty member to the Registrar's Office. If the I grade is not cleared within the allotted time period, a final grade of F is recorded.

Independent Study and Individualized Instruction

Independent Study and Individualized Instruction provide academic opportunities that can enhance a student's education. They also are offered at considerable financial cost if one considers the number that may be supported across the university in a particular semester. Approval of these activities requires a careful consideration of academic, individual, and financial matters. These guidelines are based primarily on the current Mansfield University Catalog. Phrases are underlined for emphasis. Bullets are added to note administrative expectations designed to promote fair and consistent decisions about these activities.

Independent Study (IS) is available in each curricular field. The appropriate curricular prefix precedes the course number 4497, and the credit hours vary from one to three. Independent Study may be repeated for more than three credit hours total, but each Independent Study project may be for no more than three credit hours.

Independent Study is an activity initiated by students to increase their already advanced knowledge in particular academic disciplines. A specified subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. To request approval for an Independent Study, a student must prepare a contract (available online at <http://esd.mansfield.edu/registrar/>), which then must be completed and approved by the faculty director, department chairperson and Dean. A request for Independent Study must be completed prior to the start of the semester or summer session for which the Independent Study is sought.

Independent studies will be approved only where there is sufficient evidence of the potential of the study to advance the student's scholarly development.

All requests for Independent Study should be accompanied by an appropriate and scholarly proposal that has been carefully reviewed by the student and the faculty director who will supervise the independent study.

The proposal should include a plan of activities to be undertaken, the "products" to be expected from the study (for example, a paper, a performance, a research report, or presentation to a departmental symposium), a timetable for the study, and an estimate of the amount of effort that will be applied to the study so that the appropriate amount of credit can be assessed. Only in rare instances would more than two independent study proposals be approved as part of a student's curriculum.

Individualized Instruction (II) is available on a restricted basis. Ordinarily permission to take a course by Individualized Instruction is reserved for students who are close to graduation and who have not been able to meet a degree requirement either because the course has not been available or because of some other mitigating circumstance.

A student's decision to move from the Mansfield area or a conflict with another obligation, such as a job, will not normally be sufficient to justify an Individualized Instruction. A call to military service or a serious extended illness, on the other hand, may be viewed as sufficient mitigating circumstances.

An Individualized Instruction is not normally approved if there is evidence that a student delayed taking a course or dropped a course earlier in his or her academic career and did not make a clear attempt to complete it as part of a regular schedule.

In instances where there are repeated requests from a department to offer a course via Individualized Instruction, it would be advisable for the department to reassess its ability to support the curriculum.

A request for a course by Individualized Instruction (available online at <http://esd.mansfield.edu/registrar/>), must be completed and approved by the faculty director, department chairperson, and the Dean. A request for Individualized Instruction must be completed prior to the start of the semester or summer session for which the individualized instruction is sought.

Requests for Individualized Instruction should be accompanied by a detailed justification and explanation of the mitigating circumstances that require the course to be taken in this manner, a current course syllabus that outlines the material to be covered, the learning outcome, a timetable for the instruction, and the means of assessment that will be applied to determine the grade assigned.

Maintenance of Matriculation

Students who are off campus doing approved course work consistent with program requirements and thereby meet degree or program requirements in effect at the time of initial matriculation are considered to be in a continuing matriculated status.

Mid-Semester Grades

Students enrolled in 0090, 1000-level, and 2000-level courses receive mid-semester grades on a scale of A through F to enable

them to recognize their academic status in each of these courses at mid-semester. Mid-semester grades in 3000-level and 4000-level courses are provided at the discretion of the course instructor.

Military Service Credit

Veterans having completed a minimum of basic training with honorable service in the United States Service Branches (DD 214) may apply for three credits in HPE (Health & Physical Education). In addition, credit may be awarded for service training programs based on an official military transcript and recommendations in the American Council on Education Guide.

Minimum Academic Standards

All degree-seeking students must meet the minimum academic standards of the institution. The minimum academic requirements for continuation at Mansfield are:

0-16	credit hours attempted - 1.20 GPA
17-30	credit hours attempted - 1.40 GPA
31-45	credit hours attempted - 1.60 GPA
46-60	credit hours attempted - 1.80 GPA
61+	credit hours attempted - 2.00 GPA

Credit hours attempted include transferred credit hours.

Pass/Fail (P or F)

Students may take a maximum of eight courses on a pass/fail basis; however, no more than one course each semester may be taken under the pass/fail option. Pass credits are not reflected in the student's GPA; however, a passing (P) grade is counted as credit hours earned. Students may elect the pass/fail option during the first seven calendar days of the semester. They may neither change the pass/fail option to a letter grade nor select the pass/fail option after the first seven calendar days of the semester. A passing grade is D- or better. A grade of F will impact the GPA. Three failures under this option will constitute a loss of the option. Pass/Fail application forms are available online at <http://esd.mansfield.edu/registrar/forms/>. The following restrictions apply:

1. No courses may be taken pass/fail to fulfill any General Education requirements.
2. Courses required to complete a major or an academic minor may be included in the pass/fail option at the discretion of that department, require the chairperson's signature, and may not be counted for General Education credit.

Petition Process

Program Variance: under special circumstances, curriculum requirements may be modified. A department chairperson may substitute or waive course requirements in a major by informing the Registrar's Office in writing of such requested program changes. Students may petition the Dean for other program variances.

Waiver of University Policies or Regulations: when any rule or regulation of the University causes an unfair hardship, a student may petition the Dean for an exception. In these instances, students should contact your advisor for assistance in preparation of petitions. Petitions are available online at <http://esd.mansfield.edu/registrar/>.

Preparatory (0090) Courses

Entering students are evaluated in mathematics and writing to assure a minimal level of competency. In mathematics student's previous preparation is assessed. A writing placement examination is administered to all entering students, and placement is made in ENG 0090 or ENG 1112W on the basis of performance on that essay.

If 0090 courses are necessary, the minimum number of credits required for graduation increases. Any required 0090 course must be taken during the first 57 credit hours attempted.

President's List

The President's List is issued at the close of each semester. It includes students who fulfill the above requirements and attain a semester grade point average (GPA) of 4.00.

Readmission Policy

Matriculated students who have not been in regular attendance during the previous semester must apply for readmission to the University. This does not apply to non-matriculated students.

Applications for readmission must be submitted, along with the appropriate fee, by March 1 for the fall semester and November 1 for the spring semester. A statement about activities during the time away from studies should accompany the application, including such information as employment, college course work completed, or military service. The application fee may be waived for a student who provides a letter to the Office of Admissions citing reason(s) for withdrawal and stating an expected return entry date.

Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission. Before students are readmitted, they must clear all outstanding university-related debts.

Repeating a Course

Students are limited to a total of six repeated courses with a limit of three repeats for any specific course. The most recent grade, regardless of whether it is higher or lower, will be the grade used for the GPA calculation. Students may not repeat a course using the pass/fail or credit-by-exam option.

Second Baccalaureate Degree

A student who possesses a baccalaureate degree may earn a second bachelor's degree upon completion of the following requirements: (1) a minimum of 30 credit hours at Mansfield following the first degree (internships, observation/participation,

and student teaching credit hours are not counted in the required minimum), (2) all requirements for the major in which the second degree is to be earned, (3) General Education is considered closed on the first degree except any specific General Education requirements for the second degree if not already completed, and (4) earn at least a 2.0 cumulative grade point average (GPA) in all work attempted and in the major. The GPA of the original degree will be “sealed.” There will be a new and totally distinct GPA for the new degree.

Semester Off Campus

Undergraduate matriculated degree seeking student who wish to pursue a semester at a regionally accredited non-PASSHE (Pennsylvania State System of Higher Education) college or university located within the United States are required to secure prior approval by petitioning the Dean. The process will also require completion of the Transfer Credit Form. The Petition, Undergraduates and Transfer Credit Form are available on the Registrar’s Office website at <http://esd.mansfield.edu/registrar/>. To attend another PASSHE university, please refer to the Visiting Student policy. To attend a college or university outside of the United States, please refer to the Study Abroad and International Exchanges policy.

Study Abroad and International Exchanges

A world of opportunity exists for Mansfield students who participate in international exchanges or study abroad. Mansfield University offers direct exchange programs with Charles Sturt University in Australia, Volgograd State University in Russia, Friedrich-Schiller-Universität in Jena, Germany, the Institute of Political Science in Toulouse, France, Nipissing University in North Bay, Ontario, and University College Cape Breton in Sydney, Nova Scotia.

Through Mansfield University’s membership in the International Student Exchange Program (ISEP), the world’s largest student exchange program, students have study abroad opportunities at over a hundred other universities in nearly forty other countries where they can take courses in English and in many other languages. In the past few years, Mansfield students have studied in Bulgaria, Chile, China, Iceland, Netherlands, Poland, Scotland, Spain, South Africa, Sweden, Thailand, and Ulster, along with Australia, Russia, Germany, France, and Canada. Students may also participate as visiting students in international programs at other Pennsylvania State System of Higher Education universities or in approved programs offered by other US and foreign institutions of higher education.

Interested students should contact the Study Abroad office or the Registrar’s Office for information about available programs and an application file. Most study abroad programs require two academic recommendations and a GPA of 2.75, but some programs require a 3.0. Students should consult the study abroad director and academic advisor to determine the status of study abroad programs, grade transfer policies, and how the courses taken abroad will meet general education or major program

requirements. A study abroad student can opt to receive a Pass or Fail grade for up to 15 credits of course work per semester abroad.

The cost of study abroad programs varies, but most are affordable. Our goal is to offer students a semester abroad at roughly the same cost as that of a resident student at Mansfield. Financial aid and study abroad scholarships are available for qualified students.

Teacher Certification Program:

Teacher Education Certification: The Teacher Education Unit is responsible for all teacher certification programs at Mansfield University regardless of the department that houses the program. The Unit is nationally accredited by the National Council for the Accreditation of Teacher Education (NCATE) at both the undergraduate and graduate level. The Unit prepares teachers who have the knowledge, skill, and dispositions to meet the demands of public education in the twenty-first century.

The mission of the education unit at Mansfield University is to prepare educators who will make reflective decisions based on accepted theory, research and practice as they serve our region, the Commonwealth of Pennsylvania, and the nation. In addition to its centrality in the mission, the goal of “reflective decision-making” is the guiding concept in the framework of the Mansfield University Teacher Education Program. As reflective decision-makers, the graduates of our program will be able to provide effective instruction to their students and use their skills in assessment, reflection, and self-evaluation to make positive changes in their own teaching and curriculum. To become reflective decision-makers, students must develop and engage thinking skills and positive dispositions; these two central elements form the core of the conceptual framework. Thus, the core is both affective and cognitive in its nature, the two elements of it are interdependent, and both are essential in a teacher preparation program. This core of dispositions and thinking skills is in place to strengthen four essential functions in teaching: Planning and Preparation, Classroom Environment management, Instruction, and Professionalism. These domains, as characterized by Charlotte Danielson (2007) form the outer layer of the framework, what is visible (observable) and for which teachers are accountable. The materials used to create this framework are developmentally appropriate teaching and learning, diversity, and technology. The use of these materials ensures that students are the focus; their current needs, strengths, and differences are being considered; and their future success is in the picture as the faculty plan how best to prepare them. Teacher candidates at Mansfield University will be asked to attend to each part of the framework during their program, using each course and field experience to develop and sharpen their ability to make reflective decisions in what is surely one of the most important professions in the world.

Mansfield University teacher education certification programs are approved by The Pennsylvania Department of Education (PDE). Mandated changes in certification guidelines came into effect for students entering programs in Fall 2009 and for any

other students who will not complete their programs of study and receive certification by August 2013. Elementary Education (K-6) and Special Education (N-12) are the programs most affected by the PDE changes. Beginning with students certified after August 2013, Early Childhood / Elementary Education will include the grades Pre-K-4. Special Education certification will include grades Pre-K-8 and will no longer be a stand-alone

certification. Instead, Special Education will only be available as a dual certification with any of the other teacher certification programs. Therefore, it is very important that entering students check for program change updates and work closely with their advisors because these mandated changes will be implemented through a phase-in process. Under the new regulations, teacher education unit programs will be structured as follows:

Program	Home Department	Type of Certification
Art Education B.S.Ed.	Art	K-12 Art Education
Music Education B.M.	Music	K-12 Music Education
Early Childhood/Elementary Education B.S.Ed.	Education and Special Education	Pre-K-4
Social Studies-History B.S.Ed.	History and Political Science	7-12 Social Studies
English B.S.Ed.	English and Modern Languages	7-12 English Education
Spanish B.S.Ed.	English and Modern Languages	K-12 Spanish Education
Chemistry B.S.Ed.	Chemistry and Physics	7-12 Chemistry Education
Earth and Space Science B.S.Ed.	Geography and Geology	7-12 Earth and Space Science Education
Mathematics B.S.Ed.	Mathematics	7-12 Mathematics Education

Chapter 354

A directive known as Chapter 354 Preparation of Professional Educators was issued to all teacher preparation programs in Pennsylvania by PDE in October, 2000. Chapter 354 provides outlines standards for students entering an initial certification program at MU and for proceeding through the program. The various points in the program for which specific requirements are set are referred to as "Gates." Guidelines for admittance and for each subsequent Gate are detailed in this section and deal with clearances, certain course or credit-hour requirements, dispositions, and testing requirements.

Clearances

All required Pennsylvania teacher education clearances must be attained before registering for classes. If a student's clearance history changes throughout the course of study, he/she is required to immediately share that information with the Educational Field Experience Office. Students cannot register for any Mansfield University education courses until they satisfactorily complete the following clearance checks and understand that individual clearance information will be shared with participating field experience school districts at their request:

- Act 151: Child Abuse
- Act 34: Criminal Background
- Tuberculosis, and

- FBI Fingerprint Clearances
- Secure a million dollars worth of Professional Liability Insurance

Application forms for these clearances are available at http://www.mnsfld.edu/~teacher/clearance_instructions_for_majors.htm.

If activity of any kind appears on a clearance, then Mansfield University requires the following process be followed:

1. Upon acceptance into any education program, the student must meet with the Coordinator of Educational Field Experiences (see <http://mansfield.edu/teacher/> or email cfry@mansfield.edu) to discuss the clearance situation, Pennsylvania law and University policy.
2. If the student is permitted/decides to continue as an education major, then the student must be willing to sign an agreement stating that he/she understands the possible challenges that might surface as a result of continuing to pursue certification.
3. The student must be willing to allow Mansfield University to share the clearance(s) with any school providing a field experience for the student. The student may only pursue field experiences through the direction of The Educational Field Experience Office.

Once the clearances are completed and documented in the Education Field Experience office, students can register for education courses. They then must complete coursework, field experiences, and progress through the gates in the program. Education majors are evaluated at three stages in their program. Mansfield evaluates student preparation based on national standards and Pennsylvania Act 354 requirements. Students must complete their preparation programs and the requirements of all three teacher education gates to be recommended for certification. Students will receive written confirmation that they have met Gates One and Two. Gate One requirements must be completed before taking upper level education courses (courses numbered 3000 and above). Gate Two requirements must be completed before beginning student teaching. Gate Three requirements must be completed before recommendation for certification. Each department may have additional requirements specific to their specific Education program. Students should see the individual program descriptions in this catalog and contact education program advisors for more information. Teacher education students are also assessed for professional dispositions. Teacher education disposition assessment processes and procedures are published online.

Dispositions

Because decisions a teacher makes may be value-laden, teacher education students are also assessed for professional dispositions. Teacher education disposition assessment processes and procedures are published online. http://mansfield.edu/teacher/media/files/Teacher%20Education%20Dispositions%20final%202%2008_PDF.pdf

Gate One. Students completing the following requirements will be designated a Teacher Education Certification Candidate (TECC). A student must be designated a TECC in order to register for upper level education courses numbering 3000 and above. To become a TECC, students must:

- complete a minimum of 48 hours of course work which may include transfer hours;
- have a Grade Point Average (GPA) of 3.0 or higher;
- complete two college level mathematics courses; and one English Literature course and one English Composition before becoming a TECC (Math 0090 and English 0090 or developmental or remedial transfer courses do not meet this requirement);
- pass the Introduction to Education (ED1102) course;
- pass the Praxis I certification examinations (Students transferring into Mansfield University from another institution and who have met all other Gate One requirements may be designated a probationary TECC. They will have one semester after admission to Mansfield University to pass the Praxis I examination); (See program description or advisor for additional program specific requirements).

Gate Two. Students wishing to be admitted to Student Teaching must complete the following requirements:

- A Grade Point Average (GPA) of 3.0 or higher for

those students admitted to TECC after August 29, 2004;

- completion of all required education courses except student teaching and professional seminar; students wishing to take non-education courses after student teaching must petition the appropriate department chair.
- Submission of current student teacher clearances. Updated criminal background and child abuse clearances are absolutely necessary in order to student teach. All students must have the appropriate documentation by the following deadlines. Student teaching placements will be revoked unless this requirement is met. Fall Student Teachers: Clearances must not be dated before February 1st of the year that student teaching will take place. In addition, the clearances must be turned into The Educational Field Experience Office in Retan Center 205 no later than June 30th for Spring Student Teachers; clearances must not be dated before June 15th of the year prior to student teaching. In addition, clearances must be turned into The Educational Field Experience Office in Retan Center no later than September 30th (see program description or advisor for additional program specific requirements).

Gate Three. Students who wish Mansfield University Certification Officer to recommend them for teacher certification must complete the following requirements:

- pass the Praxis II certification examinations;
- complete the appropriate Education degree with a GPA of 3.0 or higher;
- apply for Pennsylvania Teacher Certification, repeating criminal background, FBI fingerprint, and child abuse clearances, if they have expired;

Students who do not anticipate completing all the above requirements before May 2013 must see an advisor to determine if they can move forward under the new PDE regulations.

Information Sources. Further information is available from teacher education program advisors, online resources, and the other sources as stated below:

- Praxis I and Praxis II examinations – Field experiences Office (570-662-4024)
- Program Requirements – Individual program descriptions in this catalog
- Advancing to TECC status – Mansfield University Certification Officer (570-662-4873)
- Clearances and Field Experiences -- Educational Field Experiences Office (570-662-4024)

Applicants interested in teacher certification (initial or advanced) at Mansfield University must contact the Admissions Office, South Hall. (<http://admissions.mansfield.edu/>).

Official transcripts of all college work completed must be sent directly to the Admissions Office, South Hall at Mansfield University.

Secondary Education

The secondary education curriculum prepares students for junior high and high school teaching. The curriculum is the combined responsibility of the Education and Special Education Department and the appropriate content area departments of the university. The program is based on the theme, "Teacher as Reflective Decision Maker," and provides students with depth in subject matter, preparation in instructional methodology, and a variety of field experiences culminating in student teaching in the senior year. Students in the various secondary programs learn how to communicate subject matter clearly and effectively to promote secondary students' learning. Mansfield University offers secondary education degree programs in the following curricular areas: Chemistry, Earth and Space Science, English, Mathematics and Social Studies. Many secondary education majors also pursue graduate studies after graduation.

For further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements, please review the Teacher Certification section under University Policies, <http://catalog.mansfield.edu/>.

For specific information about Mansfield University's secondary education programs, please refer to each content area under the requirements for the B.S.Ed degrees. (For example, the required courses in the secondary education Mathematics program are listed under the heading Mathematics, Bachelor of Science in Education degree requirements.)

Transcripts

Official transcripts of courses taken at Mansfield University are prepared by the Registrar's Office and issued according to the following policies:

- a. Student's records are confidential. Transcripts, therefore, are issued only at the written request of the student. Requests by telephone are not accepted.
- b. No transcript is issued to or for a student who is indebted to the university until the debt has been paid in full.
- c. Official transcripts of credits(s) earned at other institutions that have been presented for admission and evaluation become part of your permanent record in the Registrar's Office and cannot be reissued or copied for distribution. Transcripts from other institutions must be obtained directly from those institutions.
- d. Official transcripts issued directly to you will only be released in a signed, sealed, embossed envelope. The envelope will bear the statement that if opened the transcript should be considered unofficial and the

integrity of the document is not guaranteed by Mansfield University.

- e. Unofficial transcripts (student copy) contain the same information as an official, but do not bear the authorized signature or seal of the university.
- f. There is a \$5.00 transcript fee.
- g. Transcripts are requested online at Transcripts on Demand. An additional processing fee of \$3.00 will be assessed by Transcripts on Demand.

Undeclared/Academic Exploration Program Majors

Entering students who are not ready to choose a major may be accepted as "undeclared" and enrolled in the Academic Exploration Program. An advisor assists the student in choosing courses to fulfill General Education requirements and advises them about introductory courses as a pathway toward selecting a suitable major. An undeclared student should choose a major after the second semester freshman year; all students must declare a major by the time they have earned 64 credit hours.

Visiting Students

Students enrolled full-time at a PASSHE university may elect to participate, for a limited period of time, in The Board of Governors' Visiting Student program offered at sister institutions. Information regarding the Visiting Student program is available from the Registrar's Office.

Withdraw From a Course (W)

After the drop period, a student may withdraw from a course until 4 p.m. on the Friday of the tenth week of classes. The student must complete a course withdrawal form and have it signed by the course instructor. A student who has earned fewer than 60 credits, must also have the withdrawal card signed by your advisor. After obtaining the required signatures, the student must submit the form to the Registrar's Office. A 'W' will be recorded in the permanent record and will not be calculated in the grade point average (GPA). A student who withdraws from all courses is automatically withdrawn from the University.

Withdrawal From the University

A student who wishes to withdraw from the university may do so by completing a "Withdrawal from Mansfield University Form," which is available online at <http://esd.mansfield.edu/registrar/>. Upon receipt of the form, the administration will promptly notify all appropriate offices, including the student's advisor and course instructors. On-campus students are responsible for checking out of their residence hall by contacting a staff member.

Students who leave the university without properly notifying the university for other than extenuating circumstances (as documented by a physician, counselor, or other appropriate individual) will receive a grade for each course based on the total semester.

All students who have withdrawn and who desire admission to the university must file an application for readmission.

Students who apply for readmission within one calendar year of the date of withdrawal will have the application fee waived. Except for extenuating circumstances (e.g., medical reasons), students are not guaranteed readmission.

Completion of a 'Withdrawal from the University' must be done by the last regular class day of the semester.

Withdrawal from the University is likely to have serious financial ramifications. Students receiving financial aid are encouraged to discuss such action with a financial aid officer.

Refund Period (% of Enrollment Period Completed)	Refund Percentage	Duration (Illustration of Estimated Weeks in Typical Semester)
0-8.5%	100%	Through "drop period"
8.51-12.50%	80%	Through Week 2
12.51-19.44%	60%	Through Week 3
19.45-26.39%	50%	Through Week 4
26.40-33.33%	40%	Through Week 5
>33.3%	0%	

STUDENT LIFE

Residence Hall Living

The community living environment, provided through our residence halls, enables students to gain invaluable educational and personal experiences. While residence hall living presents many opportunities and conveniences, it also challenges students to demonstrate appropriate behaviors and live within university and societal expectations.

We can accommodate 1,700 students in our residence halls. To meet the interests of our diverse student body, a variety of housing options are available, including single sex, co-educational, wellness floors, and special interest housing. In addition, standard double rooms, single and mini-single rooms (space available basis) are available. To help ensure a positive living environment, each hall is supervised by a full-time, live-in professional staff member who is assisted by student staff members who live on each residence hall floor. All residence halls are smoke free.

Since our residence halls are homes away from home for our students, we have furnished and equipped them to meet students' needs. In addition to furniture, each room is equipped with cable TV hookup and phone outlet, and we provide computer network access for each student. Each residence hall has laundry facilities, computer labs, kitchenettes, study lounges, and comfortably furnished lounges for informal gatherings. You can also opt to rent microwave/refrigerator combination units. Our halls are the focal point for a variety of educational, recreational and social programs and activities. Some halls also have weight rooms.

Comprehensive information about residence hall living, on-campus residency requirements, and room assignments is in the university student handbook, the residence life handbook, the residence life brochure, and on our web site. All students in the first two years of study are required to live and dine on campus unless they meet commuting or other criteria specifically delineated in The Mountie Manual <http://mansfield.edu/residence-life/media/files/Mountie-Manual.pdf>.

Student Activities

"Shaping Tomorrow's Leaders Through Involvement" is the motto of the Student Activities Office, recognizing that the university experience involves learning both in and outside of the classroom. To ensure a positive out-of-class educational experience, we offer a wide range of activities to supplement the in-class learning, to provide you with opportunities to gain valuable hands-on experience and to strengthen interpersonal skills. The Student Activities Office coordinates a variety of social, cultural, and recreational programs. A comprehensive listing of campus activities can be found on the Calendar of Events on our web site.

Student Organizations

Mansfield University has over 100 active clubs/organizations and a wide variety of music ensembles, both vocal and instrumental, that provide outlets for student interests as well as opportunities for

students to sharpen personal skills and strengthen both leadership and organizational skills. Many of the activities planned by these organizations are funded by student activity fees.

Although participation in student organizations provides opportunities for having fun, developing personal skills and gaining hands-on experiences, a practical advantage for students can be to enhance your personal portfolio which could be very valuable when entering the job market. The university encourages students to selectively become involved in these opportunities.

Student Center

The Alumni Hall Student Center is a campus focal point for students to gather and relax. The Center contains space for a wide range of organized activities as well as informal gatherings. The Center houses the bookstore, a food court, game room, the Martin Luther King Jr. Resource Center, meeting rooms, organization mailboxes, TV lounge, multi-purpose room, and offices for the Student Government Association, and College Community Services, Inc.

Student Government Association

Student opinion and input into the operations of Mansfield University are valued and fostered. Our Student Government Association (SGA) provides a forum for discussion and an avenue for students to make change.

Under the umbrella of SGA, students serve on the Executive Board, Student Senate, and a wide range of university committees. At Mansfield, in cooperation with faculty, staff and trustees, they are part of the decision-making processes of the university.

Athletics and Recreation

Mansfield University is a member of the National Collegiate Athletic Association (NCAA) and our 14 intercollegiate teams play at the Division II level.

Women's programs include soccer, field hockey, basketball, cross-country, swimming, softball, indoor track and track. Men's programs include football, cross-country, basketball, baseball, indoor track and track. Sprint football is not an NCAA sport but provide special opportunities for intercollegiate competition.

Our recreational sports program is for students who value athletic participation but at a less competitive and more social level. We provide a broad range of opportunities in men's, women's and coed events as well as multiple groups involved in aerobics. In addition, we have both indoor and outdoor facilities for organized as well as individual students participation. The Kelchner Fitness Center provides facilities for basketball, volleyball, badminton, indoor soccer, aerobics, racquetball and dance, and includes a well-equipped fitness room. Students may use the facilities individually, in groups, or as part of our recreational sports program.

Health Services

Primary medical care is provided at our clinic located on campus in Maple B. There is no additional cost for basic care beyond the health fee paid each semester. There is a fee, however, for specialized services such as tests and x-rays. Both the residence hall staff and University police are trained to deal with medical emergencies. Community ambulance service is available on a 24-hour basis to transport students with serious emergency medical problems to local hospitals as required.

Identification Cards (One Card)

A University identification card that contains a photo (also known as "One Card") is issued to students, faculty, and staff. All students, including those off-campus, must have an MU One card. One Cards are available at the CCSI office (College Community Services, Inc.), at 327 Alumni Student Center (floor 3M). Regular office hours are Monday - Friday from 8 a.m. - 4 p.m. Extended hours are available during the first two weeks of classes but vary each semester; therefore students should contact the CCSI office at (570) 662-4929 for specific information.

The One Card enables the students to check out library materials and receive discounts on many cultural and entertainment productions. In addition, cards are used to access the Library website from off-campus and may be used for the printers and copy machines in North Hall Library and various locations on campus. Student One Cards must be carried at all times and shown to authorized personnel upon request. One Cards are examined at the library, at athletic events, and at various campus activities. They also serve as meal cards and can be used as cash debit cards. The cost of the One card is \$5 for new students. Replacement cards are \$15.

Each student enrolled in an online program will receive a letter containing their Library Access bar code. The online student also has the option of receiving an actual One card by submitting a picture (equivalent to a passport/drivers license photo) and a front/back copy of an official government ID (i.e., driver's license, military ID), along with \$5.00, to the office of One Card Administration, 136 Alumni Hall. For questions, please call 570-662-4074.

Police and Safety Services

The University Police Department is located in Doane Center and is open 24 hours each day of the year. The Department staff includes 11 commissioned police officers, including the Director, 3 security officers and up to 6 student staff. The Department has responsibility for parking enforcement and parking permit issuance, crime prevention, criminal investigations and other related police functions, and student weapons storage.

STUDENT POLICIES

Educational Records Confidentiality Policy

We collect and maintain data and information about students for designated periods of time and for the express purpose of facilitating their educational development. We recognize the privacy rights of individuals, as guaranteed by the Family Rights and Privacy Act of 1974 and the Pennsylvania Right-to-Know Law of 1957. We attempt to balance those rights with the institution's need for information relevant to the fulfillment of its educational missions. As such, the university has an approved policy on the confidentiality of student records which outlines all procedures that apply to the collection, maintenance and release of such records. (See University Policies section of this catalog regarding Family Education Rights and Privacy Act).

Smoking/Tobacco Policy

The Mansfield University policy on smoking and the use of smokeless tobacco is consistent with both the Pennsylvania Clean Air Act and policies established by the Board of Governors for the Pennsylvania State System of Higher Education. Concerns with this policy or reports of violation of this policy should be directed to the Vice President for Administration and Finance.

1. Smoking or the use of smokeless tobacco products is not permitted in Mansfield University buildings, except in an area or individual office that have been designated as smoking areas. Classrooms, laboratories, reception areas, common areas, conference rooms or other places where classes, committees, or other public groups may convene are not to be designated as smoking areas. Entrances to buildings will be appropriately signed to indicate that smoking is permitted in designated areas.
2. The use of smokeless tobacco is only permitted in smoking areas. Users of smokeless tobacco products are to discard expectorant in toilets and not in common ash trays or common waste containers.
3. The Vice President for Administration and Finance is responsible for the designation of smoking areas within buildings other than residence halls. Requests to (a) designate a new or additional smoking area or (b) to delete the designation of an area for smoking should be addressed to the Vice President who shall make decisions on smoking area designations consistent with this policy after consulting, where appropriate, with other cabinet members and the Administrative Affairs Committee of the Faculty Senate.
4. Consistent with this policy, smoking is also prohibited in all residence halls.

Drug and Alcohol Abuse

Mansfield University is an active member of the Network of Colleges and Universities Committed to the Elimination of Drug and Alcohol Abuse. The standards of the network have also been adopted by the Board of Governors of the State System of Higher Education as policy for all state universities.

We have the responsibility to provide a drug free environment where the use of alcohol and other drugs do not interfere with learning. For this reason, the possession, distribution, and/or use of alcohol and other drugs on the Mansfield University campus is prohibited. Persons violating this prohibition will face university disciplinary sanction, and/or arrest by university police. University disciplinary actions will include an educational component to encourage the individual's acceptance of the responsibility for his/her own choices and behavior.

Mansfield University will educate and provide information to the campus community for the purpose of preventing the abuse of alcohol and other drugs. The university will also provide counseling and referrals for persons with alcohol or other drug problems.

Motor Vehicle Registration

Regulations pertaining to parking and vehicle use are available at the University Police Department, Doane Center, or online at www.mnsfld.edu/~police/Parking and are also distributed when registering your vehicle. All students, employees, and visitors who operate a vehicle on campus must register their vehicles and display the appropriate decal or tag

ORGANIZATIONS

Advocacy Association

This is an organization of individuals who provide peer education in the areas of dating violence, sexual assaults, and sexual harassment. Support is also provided to students who may become victims of dating violence, sexual harassment or sexual assault.

All Residence Hall Council (ARHC)

ARHC is the governing body for the residence halls. Its purposes are to set hall council policy, approve hall council budgets, and to sponsor activities both in the halls and on a campus-wide level. ARHC is an active member of the National Association of College and University Residence Halls (NACURH). Delegates are sent to conferences on the local, regional, and national level. Membership is open to any student who lives in the residence halls.

Alpha Phi Sigma National Honor Society

Alpha Phi Sigma is the National Criminal Justice Honor Society and is recognized by the Academy of Criminal Justice Sciences as the only official Criminal Justice Honor Society in the United States. It is a member of the Association of College Honor Societies and is open to any criminal justice major or minor with 40 earned credits and 3.2 overall GPA and a 3.2 in criminal justice. It provides opportunities to members to travel to regional and national conferences, and for academic competition. Membership also provides preferred status for special tours and activities.

Alpha Sigma Alpha

A national social sorority, Alpha Sigma Alpha's purpose is to assist college females in growing intellectually, spiritually, socially, and physically. Participation in the Special Olympics is our philanthropic project. *Aspire, Seek, Attain* is ASA's motto.

Alpha Sigma Tau

Alpha Sigma Tau is a national sorority emphasizing academics. A minimum 2.3 grade point average is necessary to participate. AST is involved in a variety of social service activities both with the local community and nationally. The motto is *Active, Self-reliant, and Trustworthy*.

American Choral Directors Association (ACDA)

The ACDA chapter at Mansfield University is affiliated with the National American Choral Directors Association. The purposes of the chapter are to provide an incentive for students to become more committed to the art of choral conducting at an earlier age; to provide learning opportunities outside the classroom; to provide useful services to the choral area and music department; to encourage student leadership and direct experience with a peer motivated discovery of the choral art. Any Mansfield University student is welcome.

American String Teachers Association (ASTA)

The Mansfield student chapter of ASTA is an organization open to students who play string instruments. The organization promotes a high standard of string playing and teaching in the community, schools, orchestras and on campus.

Aquaculture Club

This organization plans and provides educational programs and activities in the fields of fish culture and biology, including movies, slide shows, seminars and field trips.

Art Acquisition/Exhibition

This is a student committee working under the guidance of a faculty advisor. The committee plans monthly art exhibits on campus and oversees the university's permanent art collection. It also schedules and implements student art exhibits and purchases art work for the permanent collection. Open to all interested students.

Art Guild

This group provides members the opportunity to experience art outside the community, through workshops and guest speakers, in an effort to expose them to art methods other than those at the University. They also strive to strengthen awareness of art in the greater community.

Badminton Club

The Badminton Club is made up of Mansfield University students and staff who have a common interest in competitive badminton. Club members represent the school at several regional tournaments each year and the Mansfield Club hosts a tournament of its own each April.

Best Buddies

The mission of Best Buddies is to enhance the lives of people with intellectual disabilities by providing opportunities for one-to-one friendships and integrated employment. We do this at the college level by matching college student volunteers in mutually enriching friendships with persons with intellectual disabilities.

Biology Club

The objectives of the Biology Club include advancing the level of biology knowledge, providing an opportunity for interaction for students with an interest in biology and facilitating discussion on topics and careers in this field. The club accomplishes these objectives through meetings, discussions, educational programs and community service projects.

Black Students Union (BSU)

BSU is an academic and social support group for students interested in the promotion of the culture and interest of African-Americans, Hispanics, or other students of color. Activities are designed to encourage and motivate students to realize personal potential, achieve academically, and increase cultural knowledge. The organization coordinates and sponsors campus diversity programs promoting African-American and African cultures. The Annual KWANZAA Celebration is the most popular event.

B-Movie Club

This organization promotes movies that were created with a small budget, but still provide a high amount of entertainment. In addition, they are planning to undertake the filming of their own B-movie.

Boxing Club

This club provides an opportunity for conditioning and competition that helps promote physical and mental well-being through the science of boxing.

Campus Crusade for Christ

The Campus Crusade for Christ is one of several student groups on campus that provide opportunities for students to pursue interests and issues related to their spiritual needs and benefits.

Campus Scouts

This group provides a means of identifying with the Girl Scout movement and opportunities, through fellowship and leadership, for service within Girl Scouting and the college community.

Cheerleaders

Cheerleading is open to any student with an overall 2.00 QPA. Up to 16 women and 16 men are chosen through tryouts. The football squad is selected in March and the basketball squad in October.

Chemistry Club

The Chemistry Club gives students an opportunity to become better acquainted with the field of chemistry. Members and the student body benefit from guest speakers, films, projects, and special programs.

Circle K

Circle K strives to develop leadership for its members, responsibility to self and others and to educate through a positive aid to campus and community.

Colleges Against Cancer

The American Cancer Society's "Colleges Against Cancer" organization is a National collaboration of college students, faculty and staff dedicated to fighting cancer, volunteering for the American Cancer Society and improving college communities by instating and supporting programs of the American Cancer Society.

Computer Science Club and Student Web

This club is open to any student with an interest in computers. It will enhance the opportunities available to the student through guest speakers, field trips, and participation in the Pennsylvania Association of Computer and Information Science Educators (PACISE).

Council for Exceptional Children

The student chapter of Council for Exceptional Children is affiliated with the national conference. Membership in the chapter is open to all college students, especially those interested in working with exceptional children. There is a membership fee for joining on the national level, which includes a monthly journal, but it is free to all students for the local level. Members have opportunities to meet and talk with professionals in the field. Specific activities are planned which promote the pre-professional development of the members. Group activities include dances for individuals in residential facilities, state and national conferences, special Olympics, and guest speakers.

CATS (Creative Arts Therapy Sounding)

The Music Therapy Organization sponsors workshops, guest speakers, and representation at conferences in support of the profession of music therapy. It is affiliated with the National Association for Music Therapy Students and is open to anyone interested in music therapy.

CURV (Creating a University with Respective Values)

This organization is for parents, families and friends of Lesbians and Gays (PFLAG) who come together to promote the health and well-being of gay, lesbian, bisexual and trans-gendered persons, their families and friends through support - to cope with an adverse society, education - to enlighten an ill-informed public, advocacy - to end discrimination and to secure equal civil rights.

Delta Zeta Sorority

Delta Zeta sorority members have the opportunity to interact with peers, strengthen self-confidence, achieve academic excellence, develop leadership potential, and help others through national and local philanthropies. Delta Zeta supports all Anti-Hazing Laws. A minimum 2.5 grade point average is necessary to join.

Diversity of Arts

The purpose of this organization is to entertain, introduce, perform and educate the Mansfield University students and surrounding community about the art of dancing. They incorporate several styles of dancing, including African, Spanish, swing and jazz, while using flags, drums, gymnastics and stepping.

El Club de Espanol

El Club de Espanol is an organization devoted to the stimulation of interest in the Spanish language and culture. Its many activities included field trips, movies, and dinners. Anyone is welcome.

Eta Beta Tau

The purpose of this fraternal chapter is to promote culture through the arts as exemplified by growth, diversity of character, brotherhood and unity of thought.

Flashlight

This is the student newspaper and is published weekly by Mansfield University students. A wide variety of service opportunities are available for staff members including reporting, typing, designing, selling and taking photographs. Additional staff are always welcome.

French Club

The purpose of this group is to stimulate ability and interest in the French Language, as well as French Culture and Literature.

Geography Club

The Geography Club furthers the diverse interests of geography majors, minors and other interested students. The club sponsors presentations and trips related to regional planning, environmental science and other aspects of geography.

Geology Club

The Geology Club promotes geology in the Mansfield area. It is open to all students and faculty. The Geology Club sponsors a

variety of field trips and speakers. Members attend and participate in professional meetings.

German Club

This group seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. The organization aims to promote the study of the German language, literature, and civilization, and endeavors to emphasize those aspects of German life and culture which are of universal value and which contribute to man's eternal search for peace and truth.

Golf Club

This group seeks to bring together students with an interest in golf and who seek to play at the competitive level. Members can be of all skill levels and all are welcome.

Gospel Choir

Desires to bring a sense of hope and insight to the University through their medium of song, all are welcome.

History Club

Open to any interested student, the History Club's purpose is to facilitate students' interest in history and to foster professional growth, as well.

Honors Association

Membership is open to any student in good standing in the university's Honors Program. Its purpose is to plan and implement the social and cultural events of the association.

Interfraternity Council (IFC)

The Inter-Fraternity Council is the governing body of the social fraternities. Its purpose is to promote the best interests of the fraternity system and the university. IFC makes binding rules concerning fraternity policy, and enforces rules for rushing, pledging, intramurals, and scholarships. IFC promotes the spirit of cooperation among all fraternities and the highest ideals of fraternalism.

International Association of Jazz Educators

The purpose of this organization is to bring together those interested in jazz, rock and popular music and to provide opportunities for musical experiences and growth. IAJE is a sponsor of the annual Mansfield University Jazz Festival.

International Tuba and Euphonium Association (ITEA)

This organization, formerly known as TUBA, it seeks to maintain a liaison between those who take an interest in the tuba and euphonium family.

Judo Club

The objective of this club is to teach judo and provide opportunities to learn and practice judo.

Kappa Kappa Psi

This organization operates primarily as a student service and leadership recognition society whose chief aim is to assist the Director of Bands in developing the leadership and enthusiasm that is required of his/her band. Our goals are to provide the band not only with organized and concentrated service activities, but to give our membership valid and wholesome experiences in organization, leadership and social contracts.

Kappa Phi

Kappa Phi is a sisterhood strongly rooted in Christ. We are a nondenominational group of Christian university women. Our purpose is to provide opportunity and challenge to serve Christ through our lives.

Kayak Club

The purpose of this organization is to promote the sport of kayaking in a safe and fun manner. It is open to all students, Mansfield University personnel, and interested community members.

Lambda Alpha Epsilon

Lambda Alpha Epsilon is the American Criminal Justice Association and is open to any person enrolled in a program of study in the criminal justice field or who is currently or formerly employed in an area concerned with the admission of criminal justice.

Lambda Sigma

Lambda Sigma is a national honor society for sophomore men and women dedicated to fostering leadership, scholarship, fellowship, and the spirit of service among college students. They promote the interests of Mansfield University. The Alpha Epsilon chapter offers students opportunities for personal growth, leadership experience, and a sense of involvement in Mansfield University.

Latin American Student Organization (LASO)

The purpose of this organization is to promote interest and awareness of the rich and diverse Hispanic/Latin culture and to help more Latin students find a forum for their voice on campus.

LEO Club of Mansfield University

The goal of this organization is to promote service activities among the youth of the community which will develop the individual qualities of Leadership, Experience and Opportunity and to unite its members in friendship, fellowship and mutual understanding. The LEO Club is affiliated with Lions International.

Mansfield Activities Council (MAC)

MAC plans programs and activities for the entire university community, including movies, concerts, coffeehouses and cultural affairs, as well as feature arts and forums. MAC also assists other university organizations in programming.

Mansfield College Republicans

The purpose of this organization is 1) to make known and promote the principles of the Republican Party among members of the Mansfield campus and community; 2) to aid in the election of Republican candidates at all levels of government; 3) to encourage and assist in the organization and active functioning of the Republican Party at local, state, and national levels; 4) to organize community service projects, run issue advocacy, lobbying efforts, help bring conservative guest speakers to campus and organizing social events and other activities and 5) to develop political skills and leadership abilities among Republican students as preparation for future service by them to the Party and community.

Mansfield International Students Organization (MISO)

This club was created by the Mansfield University international students in 1982 to promote and share cultural differences, cultivate friendship and exchange ideas in an informal atmosphere. While membership is open to all interested students, American students are especially encouraged to join. With the rich and diverse cultures of its members from all over the world, the organization is unique and has much to offer educationally, socially and culturally. The most popular event coordinated and sponsored by MISO is the Annual International Festival featuring international foods, traditional fashion show, and international entertainment.

Mansfield Lacrosse Club

This club provides the students of Mansfield University with the ability to witness and play Lacrosse at a competitive level.

Maple Hall Council

Maple Hall Council benefits Maple Hall and the campus. The council consists of representatives living on each male and female floor in the building. Members plan activities, fund raisers and represent students in the campus and residence hall decision-making process.

Mathematics Club

The purposes of the Math Club are to promote communication among students and faculty and to encourage participation in activities related to mathematics. Activities sponsored by the Math Club include field trips, speakers, and social events in addition to assisting the department in various ways.

Mountaineer TV Productions

Purposes of the TV Club include exposing members to the world of TV and TV production, promoting an exchange of ideas with

respect to TV production and promoting a cooperative attitude between faculty members and students in the Communication and Theatre Department.

MU Dance Team

The MU Dance Team adds more entertainment value to our basketball games and to attract more fans. It is also a good opportunity for people, with an interest in dance, to express it within an organization and build upon their talents and team skills.

MU Dramatists

This organization was created to stimulate interest in the field of dramatics and to encourage the creative ability of its members.

MU XI Literary Society

An organization to stimulate and foster appreciation of language and literature and to give encouragement to creative and critical writing. Through its literary magazine, MU XI, it seeks to benefit, not only its members, but the entire university community.

Music Business and Technology Club

To promote a better understanding of the music industry by encouraging interaction between club members and the music industry by allowing club members to correspond with music industry educators and campus guests.

Mansfield University Nurses Association:

The purpose of this organization is 1) to provide each member with the opportunity to contribute to the growth of the organization by encouraging participation as an individual and as members. 2) to assist each member in achieving professional and social growth through participation in this organization as well as similar organizations in area, state and national level and 3) to develop an interest in recruitment to nursing and to this school.

Mountie Guides

The Mountie Guides volunteer to serve our university, campus community, academic departments, campus organizations, and the community beyond&by serving as Campus Tour Guides to prospective students, their families & friends, high school teachers and guidance counselors, and any other interested community members.

Music Educators National Conference

MENC helps promote contact between students interested in the field of music education and music educators on the local, state and national levels.

National Alliance of Saxophonists

NASA is a student run organization that is part of a national organization which operates to further the composition and performance of saxophone music.

National Art Educators Association

The purpose of this chapter is to provide an effective transition from art education preparation to professional practice. To maintain a high standard of quality art education and the visual arts on campus and in the community. To gain greater insight and perspective about the teaching of art and contemporary concepts in art education and the visual arts. Sponsor service projects such as speakers, symposia, exhibitions, etc. Promote an exchange of ideas in substantive art education and the visual arts. To promote art education and all areas of the visual arts as a career choice.

Non-Traditional Student Organization

Since significant numbers of Mansfield University students commute to campus and/or are sometimes, older students who have been away from the formal educational environment for a period of time, the goal of this organization is to attempt to provide opportunities for these students to become a more integral part of the Mansfield University community.

Order of Omega

The purpose of Order of Omega is to recognize those students who have attained a high standard of leadership in inter-Greek activities.

Panhellenic Council

Panhellenic Council is the governing body for all sororities. It is executive, legislative, and judicial. The branches compile the rules and regulations by which the sororities abide. Panhellenic Council sponsors Rush Week, the Scholarship Cup, and the Panhellenic Handbook. In cooperation with the Inter-Fraternity Council (IFC), Panhellenic co-sponsors Greek Week.

Phi Alpha Honor Society

This organization seeks to foster higher standards of academic excellence for Social Work and is to honor those who have attained excellence in the major. To be eligible, the Social Work major must have 31 earned credits, completed eight credit hours of required Social Work courses, achieved an overall QPA of 3.0 and attained a QPA of 3.25 in required Social Work courses.

Phi Beta Lambda

Phi Beta Lambda is a national business fraternity associated with Future Business Leaders of America (FBLA). Phi Beta Lambda operates Greek T's and More, a business on campus which provides members with experience and understanding of how a business operates. Phi Beta Lambda is also responsible for Career Seminar Day, a major annual event on campus.

Phi Beta Sigma

Phi Beta Sigma fraternity embraces the principles of brotherhood, scholarship, and service which are crystallized in the fraternity motto Culture for service and service for humanity.

Phi Mu Alpha Sinfonia

The primary purpose of this fraternity shall be to encourage and actively promote the highest standards of creativity, performance, education, and research in music in America. Further purposes shall be to develop and encourage loyalty to the Alma Mater, to foster the mutual welfare and brotherhood of students of music, to develop the truest fraternal spirit among its members, and to instill in all people an awareness of music's important role in the enrichment of the human spirit.

Phi Mu Delta

Originally established as the local fraternity Alpha Omega Delta, Phi Mu Delta national fraternity colonized a chapter on the Mansfield University campus in the fall of 1997. A member of the Greek System and Inter-Fraternity Council, this social fraternity is committed to fostering an environment of mutual respect, friendship and academic excellence.

Phi Sigma Pi

Phi Sigma Pi has the distinction of being Mansfield's first fraternity. This national honor fraternity is described as being one-third academic, one-third service, and one-third social. To pledge Phi Sigma Pi, one must have a 3.0 cumulative grade point average and be at least a second semester freshman. Phi Sigma Pi welcomes any man or woman who is concerned with the ideals of knowledge, training, and friendship.

Philosophy Club

Promoting philosophical activities on campus, the Philosophy Club sponsors trips, lectures, panel discussions and films on a broad variety of subjects. It also publishes Synapse, a student magazine of philosophy and opinion that has appeared annually since 1979.

Physics Club

Some of the objectives of the members of the club are to advance the level of physics knowledge and to provide a forum for discussing recent physics discoveries, careers in physics and other related topics.

Pi Gamma Mu

It's purpose is to honor those who have attained excellence in a social science major. This organization seeks to foster higher standards of academic excellence and high levels of service to the campus and community. To be eligible, students with majors in Social Work, Sociology & Anthropology, Political Science and Psychology must have completed at least 60 credit hours, 30 of which must be for social science courses, and achieved an over QPA of 3.0.

Political Science Club

The purpose of the Political Science Club is to develop interest in and stimulate conversation about, politics on a local, state and national level.

Pre-Law Association

Our primary purpose is to provide information to students who plan to attend law school. Guest speakers and field trips benefit both members and non-members.

Psi Chi

Psi Chi is the national honor society in psychology. It provides academic prestige to its initiates by the mere fact of membership. To be considered, one must be a psychology or human relations major, have a minimum of a B average, and 9 credit hours in psychology.

Psychology Club

The purpose of this organization is to advance interest in and knowledge of psychology and to encourage, stimulate, and maintain scholarship of the individual members in all fields.

Roller and Ice Hockey Club

This club is for students interested in roller/ice hockey to participate in hockey games and learn about the sport of hockey.

Running Club

The purpose of this organization is to stimulate interest in the sport of running as well as provide the option of running to get in shape, achieve personal goals, or to practice competitive racing.

Public Relations Society

The Public Relations Society is open to, and interested in all students. We offer students the chance to generate creative ideas and put those ideas into action, to better our community on and off campus.

Saddle Club

This club is open to all students from beginning to advanced riding levels. Grooming, saddling, and trail riding are club activities. We also participate in field trips and other activities. Activities are based on the interests of the members.

Sigma

Service, to both the university community and community at large, and strengthening the relationships between the two are the primary purpose of this organization.

Sigma Alpha Epsilon

Sigma Alpha Epsilon is a social fraternity that was established at MU in 2004. The purpose of this organization is to promote the highest standards of friendship, scholarship, service, and character.

Sigma Alpha Iota

Sigma Alpha Iota is an international music fraternity for women whose ideals are high standards of musicianship, scholarship,

sisterhood, and character. Any woman in the music department who is under private musical instruction, has at least 6 credits in music, has a 2.5 academic average, and a B in her major applied area, is eligible to pledge membership.

Sigma Dove Social Society

This organization serves as a service organization to the campus community and surrounding areas by promoting our principles of sisterhood, scholarship and service.

Sigma Zeta

As the national honorary science and mathematics society on campus, Sigma Zeta recognizes outstanding academic achievement in the natural sciences and mathematics. It also provides an opportunity for social and educational interaction among students sharing common academic interests and career goals.

Ski and Snowboard Club

The Ski and Snowboard Club's interest is in the pursuit of the sport and its intrinsic values such as recreation, exercise, the exhilaration of being outdoors and the developing of a life-long physical and social activity. The Ski Club organizes weekly trips to local ski areas as well as a week long trip to a major United States ski area over semester or spring break. The club negotiates special lift ticket rates, provides transportation, and operates a fully equipped, up to date, ski rental shop.

Social Sciences Club

This club welcomes students from all majors and is aimed at enriching students' knowledge of and experience with the social sciences. Each semester the club plans trips and activities and screens films intended to enrich students' awareness and understanding of the social sciences. In addition, the club offers opportunities to participate in various fundraising activities.

Social Work Club

The Social Work Club is open to all Mansfield University students. It is an integral part of the department and seeks to foster dialogue between the faculty and the students. The club meets regularly to determine members' attitudes and feelings regarding policy, requirements, curriculum. It is a vehicle through which students are exposed to the professional world of human services in general and professional social work in particular.

Student Alumni Ambassadors

This program helps extend the university's mission, increases its visibility and promotes quality. Ambassadors serve as good-will ambassadors for the university, as a host / hostess for special university events, and they provide a vehicle through which future alumni leaders are cultivated.

Student Association Nutrition and Dietetics

This organization is open to anyone interested in dietetics and/

or food service management. Members learn about their future professions through invited speakers, educational field trips and bi-monthly meetings. Members of Mansfield S.D.A. are also members of the Pennsylvania Student Dietetic Association and are eligible to be members of the American Dietetic Association.

Student Government Association

The Student Government Association is the elected governing body representing Mansfield's students. SGA is comprised of a senate, with one senator for each 100 students, and an executive committee, consisting of a president and a vice president. This body represents and promotes student issues and concerns with the faculty and administration and is a good way to become involved.

Student PSEA

The goals of this organization are to develop among college students preparing to teach: (a) an understanding of the teaching profession through participation in the work of the local, state, and national education associations; (b) to provide leadership training and experiences; (c) to plan activities that can be coordinated with other existing chapters= programs; (d) to provide opportunities to observe and work with citizen groups for the welfare of children and public education; (e) to seek actively higher standards of teacher education; (f) to stress the importance of careful selection of persons admitted to teacher education institutions with emphasis on character, personality, and scholarship.

Students in Free Enterprise (SIFE)

The purposes of this organization shall be: 1) To teach others an understanding of how market economies and businesses operate; 2) To help businesses to use our knowledge to better themselves, their community, and their country; 3) To promote individual ideas and teamwork among individuals associated with SIFE; 4) To build a partnership between Mansfield University SIFE and businesses in society. All students and alumni of Mansfield University can be members of SIFE.

Tau Beta Sigma

Tau Beta Sigma is a national honorary band sorority that promotes and supports collegiate bands and band activities. Opportunities exist for members to gain in such areas as leadership, musical achievement, and promotion of worthwhile projects. Eligibility is based on a QPA of at least 2.5 and participation in the Concert Wind Ensemble, Symphonic Band, Jazz Band, or Orchestra.

Travel Club

The purpose of this organization is to provide a learning travel experience, once a semester, and to gather knowledge about the process of planning group travel.

WNTE-FM

Music Radio 89 is dedicated to providing educational, informative and entertaining programming for the campus and

community. Radiating at 89.5 megacycles, WNTE is a 115 watt educational FM station, licensed by the Federal Communications Commission. With main studios and offices located in the lower level of South Hall, WNTE welcomes all interested students to join in the fun of broadcasting.

Women With A Mission (WWAM)

WWAM desires to promote the advancement and prosperity of African American women, focusing on academic achievement, economic welfare, and health awareness.

Zeta Tau Alpha

Zeta Tau Alpha is a women's social fraternity. Zetas always strive for academic excellence, while maintaining a high social standard of conduct. Individual interests include a variety of well-rounded activities: sports, music, cheerleading, student government, and community service, among others. ZTA is also proud to support the Susan G. Komen Breast Cancer Foundation.

Zodiak

The purpose of Zodiak Stance is to entertain the crowd at different university events and provide an activity for those who enjoy performing, dancing, and stepping.

SERVICES FOR STUDENTS

Department of Academic and Human Development

The University provides developmental services to students for the successful pursuit of their academic program and personal development. These services include Academic Advising, Athletic Mentoring, Counseling, Learning Center, Minority Mentoring, Support Services for CHAMPS Students with Disabilities, and Writing Center. In addition, all faculty within the Department of Academic and Human Development advise students selecting the Liberal Studies major.

Academic Advising

The Academic Advising Center provides services to a wide range of students and special support for underrepresented students of color, through a minority mentoring program called SUPPORT, and student-athletes through Athletic Mentoring and CHAMPS/Life Skills program. These initiatives support Mansfield's diversity goals through various workshops and guest speakers. This includes developmental workshops and leadership conference opportunities.

Mission: The mission of Academic Advising Center is to provide high quality academic advising, that assists students in the purposeful planning of an undergraduate liberal arts education, contributing to an environment that promotes academic, personal, as well as intellectual, and ethical (character) growth. Academic

Advising is a decision-making process by which students realize their maximum education potential through communication and information exchanges with an advisor; it is ongoing, multifaceted and a shared responsibility of both the advisor and advisee. The advisor, utilizing a developmental, prescriptive or, prescriptive, strength-based approach, serves as a facilitator of communication, a coordinator of learning experiences, through course and career planning and academic progress review, and an agent of referral to other campus services.

Vision: The Academic Advising Center (AAC) provides leadership that is developmental and cultivates academic excellence and healthy decision making, through innovative advising practices. AAC assists students in attaining their career and academic goals and promote an academic advising environment of trust, comfort, and genuine care. AAC work collaboratively with other student services, faculty, and staff for the benefit of our advisees.

Athletic Mentoring and the CHAMPS/Life Skills Program

Mission: The mission of the Athletic Mentoring and CHAMPS Life Skills Program is to support the successful academic transition, matriculation, and graduation of student-athletes. The Athletic Mentoring component monitors, and improves the academic standing and progress of student athletes. The CHAMPS/Life Skills component enhances and supports student-athletes' development in the areas of personal development, career planning, community service, and academic excellence.

Vision: The Athletic Mentoring and CHAMPS Life Skills Program ensures the academic, personal, and social success of student athletes.

Counseling Center

Mission: The University Counseling Center provides students, faculty, and staff with counseling services for each client's particular needs. We make available to clients career/academic assessment and counseling to facilitate their career choices; provide a professional response to clients in emotional crisis; provide faculty and staff with consultation and support; assist in developing the emotional, physical and psychological well-being of all clients; advocate for student needs; and support the efforts of students, faculty and staff in improving the university environment. We provide coaching, academic document review, and recommendations for students with disabilities. We provide academic advising opportunities for students in the A.A. and B.A. Liberal Studies majors.

All services provided by the University Counseling Center are free and respect the applicable confidentiality laws and ethical guidelines of the APA (American Psychological Association), ACA (American Counseling Association) and IACS (International Association of Counseling Services).

Vision: Counseling services are an integral part of the educational mission of the institution and support the mission in a variety of ways, such as consultation, teaching, preventive

and developmental interventions, and treatment. The counselors provide clinical and counseling services to clients who are experiencing stress due to academic, career or personal problems which may interfere with their ability to take full advantage of the educational opportunities before them. Counselors are also involved in providing consulting services for faculty and staff; student needs advocacy, program development, teaching, outreach programming, retention activities, and research and evaluation that support the efforts of faculty and staff in enhancing the university environment.

Learning Center

Mission: The Learning Center (LC) at Mansfield University fosters an out-of-class learning environment that provides students with undergraduate learning experiences that promote and maximize their learning potential. The Learning Center is committed to helping students achieve their academic goals and persist until graduation. The Learning Center offers self-assessment measures that promote meta-cognition and self-evaluation. The student support services provided under the auspices of the Learning Center include: an accredited CRLA peer tutoring program; a NTA certified tutor trainer; a Certified Supplemental Instruction Supervisor, A Certified Reading Specialist, and a certified Supplemental Instruction (SI) program for several survey and gateway level courses; learning style and study skills assessments; one-on-one and/or group learning support; academic advising; and appropriate skills instruction that addresses specific student needs.

Vision: The Learning Center's future vision is to offer a mandatory self-management program dedicated to enhancing the out-of-class learning environment for all incoming freshmen, as well as probationary, learning disabled, and reinstated students. The program's focuses would be based in individual assessments of students' learning styles, study skills, and behaviors. All incoming students would self-assess their motivation, learning styles, time management skills, and develop an understanding and an ability to control their physical and social environments. The program would follow a four-step process that involves: self-assessment/self-observation, strategic planning, strategy implementation, and strategic-outcome monitoring.

SUPPORT (Minority Mentoring Program)

Mission: The SUPPORT program is designed to increase the likelihood for traditionally under represented students of color to enjoy academic success, personal growth and leadership skill development.

SUPPORT promotes self empowerment and academic excellence. It is also the mission of SUPPORT to assist each student in making a positive and productive transition to the university experience as quickly and efficiently as possible, taking a developmental approach to each students unique, individual strengths and needs.

Vision: Each student will make a successful adjustment to college and grow to serve as a role model for future SUPPORT students.

Services for Students with Disabilities

The Office for Students with Disabilities (SSD) is the main advocate for students with disabilities who request academic accommodations at the University. It is our goal to assist you in gaining appropriate and reasonable accommodations, enhancing your ability to pursue a meaningful college experience.

After submitting pertinent documentation, we will attempt to address all reasonable accommodations appropriate to the student's needs. Current accommodations include, but are not limited to, special residence hall living requests, on-campus transportation, early academic scheduling, a variety of testing accommodations, note takers, readers, interpreters, assistance in acquiring "Books on Tape," and relocating class sections to aid access.

Students are encouraged to contact the coordinator of Services for Students with Disabilities in South Hall to discuss any accommodations. Early notification is critical when seeking physical or academic course material accommodations.

Writing Center

The Writing Center is an integral part of the University's Writing Across the Curriculum program. Professional and peer-writing tutors help students develop effective writing and editing strategies that support the formal writing instruction presented in various courses throughout the curriculum.

Department of Academic Initiatives

The Department of Academic Initiatives houses the federally funded and competitive TRiO Student Support Services grant (which has been established at Mansfield University since 2005).

The Department of Academic Initiatives provides extensive student support for the students enrolled in our programs. We offer a variety of programming and services to our students, including academic and personal growth workshops, financial aid and financial literacy workshops, cultural and social activities, tutors, peer mentors, career counseling (including preparation for graduate school), and activities focusing on leadership and service. We are dedicated to providing personalized services to our students to help them gain the skills they need to graduate from college and to reach their personal and professional goals.

Mission Statement: The mission of the department is to increase the persistence and graduation rates of students enrolled in our programs by offering academic, personal, financial, and career support to help students develop the values of the Mansfield Creed (Character, Culture, Scholarship, and Service). The staff members work diligently to empower the students to become critical thinkers who take responsibility for developing strategies to succeed not only in college, but in their professional lives beyond college. We work closely with programs across campus to facilitate student success. In doing so, our department helps foster an institutional climate supportive of the success of underprepared college students.

Department Goals

- The department will provide opportunities for first year students to successfully transition into college.
- The department will provide quality one-to-one counseling to TRiO students through advising, peer mentoring, and quality programming. In doing so we will provide students with the opportunities to acquire skills necessary to succeed in college.
- The department will provide opportunities for students to gain leadership skills necessary for successful careers and will prepare students for post-college plans.
- The department will foster the development of the Mansfield University Creed values: character, scholarship, culture, and service.
- 75% of students in the department will remain in good academic standing each semester by maintaining a 2.0 QPA or higher and will achieve a persistence rate equal to or above the university cohort.
- 55% of new participants served each year will graduate within 6 years.

Program Outcomes:

- Students will identify resources to help them transition from high school to college.
- Students will create Individual Success Plans each semester that reflect their personal learning goals.
- Students will describe the skills necessary to succeed academically, psychologically, and financially in college according to their personal learning goals.
- Students will be able to demonstrate the critical thinking skills necessary to succeed in college.
- Students will exhibit academic success by maintaining a QPA of 2.0 or above.

Policies and Procedures:

- Students must apply to be part of the TRiO SSS Program; in addition to having academic need, they must meet the eligibility requirements set forth by the Department of Education (TRiO SSS Program Eligibility: <http://www2.ed.gov/programs/triostudsupp/eligibility.html>)

Bookstore

The Campus Bookstore is operated by College Community Services, Inc. The store is open from 8 AM to 4 PM Monday - Friday and 10 AM to 1 PM on Saturdays during the fall and spring semesters. During the summer sessions, the store is open 8 AM to 4 PM Monday through Friday. Also, during the first week of classes, the store is open extended hours, as posted, to aid students in purchasing textbooks, dorm supplies, health and beauty aids, class supplies, clothing, etc. The bookstore is located on the main floor of the Alumni Hall Student Center. Textbooks are located on the upper level of the store while supplies, clothing MU logo items, stationary, health and beauty aids, etc., are all found on the lower level. Reserve your books online at mansfieldbookstore.com and have the first chance at used textbooks.

Career Center

The Career Center (CC) provides students and alumni with a wide range of services, including career exploration and development, career interest inventories, resume and cover letter writing and critique, job search techniques, practice interview sessions, on-campus recruitment interviews and job fairs. A career library of websites, printed, and software-based information covering career options, employer organizations, employment trends, internships, job listings, and graduate/professional schools is maintained through the Career Center. Job and Internship opportunities are posted electronically through the Career Center using College Central Network®, an online job board utilized by all 14 PASSHE System University Career Centers. Current students and alumni can register for this free service at www.collegecentral.com/mansfield. The Career Center sponsors several workshops and special events throughout the academic year.

The Career Center administers testing services for Mansfield University and the general public, including CLEP (College-Level Examination Program), DSST (Dantes), Miller Analogies Test (MAT), and test proctoring.

The Career Center is located on the Ground Floor of Alumni Hall or may be called at 570-662-4133. For more resources, information about the Career Center and our calendar of events, please visit us on the web at <http://career.mansfield.edu>.

Our Mission: to provide students and alumni the best possible career development opportunities that prepare for effective, successful, and satisfying life-work.

GENERAL EDUCATION: 2011 CATALOG YEAR AND EARLIER

For students in a program with a 2011 or later catalog year

General Education Mission Statement

The general education program promotes character, scholarship, culture, and service through broad-based study in the liberal arts disciplines. Attributes we seek to foster include an inquiring mind, effective communication, use of varied means of seeking truth and acquiring knowledge, a sense of global connectedness, understanding and evaluation of multiple perspectives, ethical reasoning, the exercise of civic responsibility, and the lifelong pursuit of personal growth.

Why You Should Care About General Education

When you embrace the general education program as something of value rather than merely a set of courses that you need to complete, you gain the knowledge and skills, and begin to develop dispositions that are the hallmarks of a college-educated person. You also begin to view the world and live your life differently because a general education program, well-constructed and conscientiously pursued, challenges you.

You learn to reason more clearly and communicate more effectively. You learn from the ideas of great thinkers over the centuries, the cumulative and constantly changing knowledge of human experience. You learn to evaluate multiple perspectives on difficult issues. You increase your awareness of cultural diversity and the global complexities and inter-connectedness of the modern world. You gain greater appreciation for the fine arts and beauty in its many forms. You learn to seek and find truth and to question conventional thinking. You become skilled at problem-solving. You gain a better scientific understanding of the natural world. And you begin to better understand yourself – your beliefs, your motivations, your relationships, your actions, your passions, and your humanity.

The breadth of study in the general education program supports and complements the in-depth study in your major program, and as such extends throughout your undergraduate experience. The general education program teaches you some of the varied ways of thinking, knowing, and seeing that are employed in a wide range of liberal arts disciplines. It imparts a sense that we are all connected to others in important ways and that our personal freedoms, talents, and advantages carry with them important responsibilities. Most of all, we hope that the general education program instills in you a love of lifelong learning and inspires you to do important things with your life that help make the world a better place.

Goals of General Education

The general education program at Mansfield University embraces our position as a public university guided by the liberal arts

tradition. General education courses throughout their Mansfield University career challenge students to seek an understanding of the world through an exploration of intellectual frameworks including the natural and social sciences, the humanities, the arts, languages, and mathematics. Students grow in knowledge, skills, and dispositions through broad-based study in the liberal arts disciplines.

As a result of their engagement with the general education program, we want Mansfield University students to

Acquire Knowledge of:

- western culture and its relationship to non-western cultures
- the foundations and characteristics of educated discourse
- the unity and diversity of humanity
- fine arts and aesthetics
- the intricate complexities of life on the planet
- scientific information as it is applied to personal and social decisions
- the approaches of the liberal arts disciplines

Exhibit skills in:

- critical and analytical thinking
- effective written and oral communication
- the use of more than one language
- inquiry and research, including:
- posing thoughtful questions
- gathering relevant information
- evaluating multiple viewpoints
- constructing cogent arguments
- weighing evidence
- quantitative reasoning
- problem-solving

Develop dispositions to:

- form a coherent, independent philosophy of life
- make socially responsible and personally fulfilling life choices
- live sustainably
- value knowledge and continuing growth
- form opinions and modify positions based on evidence
- reason ethically and act with integrity
- promote social justice and peace

The general education program promotes connections, challenges students to think differently, encourages lifelong learning and personal growth, prepares students for leadership in a rapidly changing world, and inspires students to live engaged lives.

GENERAL EDUCATION OUTLINE

A. Foundations of Knowledge (12 credits)

First Year Seminar (3)

- FYS 1100 - FIRST YEAR SEMINAR

Written Communication (6)

Lower-Level Writing (3 credits)

- ENG 1112 - COMPOSITION I
- ESL 1112 - ESL COMPOSITION

Upper-Level Writing (3 credits)

- ENG 3313 - COMPOSITION II

Oral Communication (3)

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

B. Approaches to Knowledge (18-20 credits)

Humanities (6, Courses must have a different prefix)

Communication

- COM 2220 - AMERICAN BROADCASTING HISTORY
- English
- ENG 1115 - INTRODUCTION TO LITERATURE
- ENG 2209 - READINGS IN SHAKESPEARE
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 2299 - MONSTERS IN LITERATURE AND FILM
- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- ENG 3269 - SURVEY OF BRITISH LITERATURE II
- ENG 3278 - SURVEY OF AMERICAN LITERATURE I
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- ENG 3376 - MAJOR GENRE

History

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 2210 - AMERICAN WOMEN'S HISTORY

Honors

- HON 1111 - HUMANITIES HONORS I

Music

- MU 2205 - WOMEN IN MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC

Philosophy

- PHL 2200 - CRITICAL THINKING
- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 2259 - PHILOSOPHY OF RELIGION
- PHL 2350 - PHILOSOPHY AND POPULAR CULTURE

Mathematics (3-4)

- MA 1115 - SURVEY OF MATHEMATICAL IDEAS
- MA 1125 - INTRODUCTORY STATISTICS
- MA 1128 - COLLEGE ALGEBRA
- MA 1129 - FINITE MATHEMATICS
- MA 1165 - PRE-CALCULUS MATHEMATICS
- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

Natural and Physical Sciences (3-4, Must have a laboratory component)

Astronomy

- AST 1105 - THE EXPLORATION OF THE SOLAR SYSTEM
- AST 1106 - ONE POSSIBLE UNIVERSE

Biology

- BI 1110 - ZOOLOGY
- BSC 1101 - GENERAL BIOLOGY
- BSC 1104 - HUMAN BIOLOGY

Chemistry

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 1111 - GENERAL CHEMISTRY I

Geography

- GEG 1111 - PHYSICAL GEOGRAPHY

Geology

- GEL 1121 - PHYSICAL GEOLOGY

Physics

- PHY 1191 - PHYSICS I
- PHY 2210 - GENERAL PHYSICS I

Science

- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II

Watershed Management

- WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT

Social and Behavioral Sciences

(6, Courses must have a different prefix)

Anthropology

- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 3280 - ANTHROPOLOGICAL LINGUISTICS

Communication

- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS

Economics

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

English

- ENG 3281 - INTRODUCTION TO LINGUISTICS

Political Science

- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS

Psychology

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Sociology

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 2232 - AMERICAN FAMILY SYSTEMS

C. Unity and Diversity of Humanity (12 credits)

Global Perspectives (6)

Option 1: Language other than English (6, Must be two consecutive courses of the same language)

French

- FR 1101 - INTRODUCTORY FRENCH I
- FR 1102 - INTRODUCTORY FRENCH II
- FR 2201 - INTERMEDIATE FRENCH I
- FR 2202 - INTERMEDIATE FRENCH II

German

- GER 1101 - INTRODUCTORY GERMAN I
- GER 1102 - INTRODUCTORY GERMAN II
- GER 2201 - INTERMEDIATE GERMAN I
- GER 2202 - INTERMEDIATE GERMAN II

Spanish

- SPA 1101 - INTRODUCTORY SPANISH I
- SPA 1102 - INTRODUCTORY SPANISH II
- SPA 2201 - INTERMEDIATE SPANISH I
- SPA 2202 - INTERMEDIATE SPANISH II
- SPA 2205 - PHONETICS AND PRONUNCIATION
- SPA 2225 - SPANISH GRAMMAR REVIEW

Option 2: Western and Non-Western Global Cultures (6, Courses must have a different prefix)

Art

- RT 1107 - GLOBAL ART

Dietetics

- DIT 3300 - CULTURAL NUTRITION AND FOOD

English

- ENG 3305 - COMPARATIVE LITERATURE

Geography

- GEG 1102 - HUMAN GEOGRAPHY

History

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 2220 - WORLD WAR II
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA

Management

- MGT 3360 - INTERNATIONAL MANAGEMENT

Political Science

- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS

World Languages Culture

- WLC 2500 - INTRODUCTION TO PARIS
- WLC 2520 - INTRODUCTION TO LATIN AMERICAN CULTURES

Themes (6 from at least two strands)

Arts & the Human Experience (1-3)

Art

- ARH 1101 - INTRODUCTION TO ART
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES
- ART 3330 - DIGITAL PHOTOGRAPHY

English

- ENG 2252 - INTRODUCTION TO POETRY WRITING

- ENG 2254 - INTRODUCTION TO FICTION WRITING
- ENG 3252 - ADVANCED POETRY WRITING
- ENG 3254 - ADVANCED FICTION WRITING
- ENG 3389 - GRAPHIC NOVEL

Music

- MEN 3300 - CONCERT CHOIR
- MEN 3301 - FESTIVAL CHORUS
- MEN 3306 - MUSICAL THEATRE PRODUCTION
- MEN 3330 - CONCERT WIND ENSEMBLE
- MEN 3332 - SYMPHONIC BAND
- MEN 3335 - CONCERT JAZZ BAND
- MEN 3337 - JAZZ LAB BAND
- MEN 3350 - ORCHESTRA
- MU 1101 - INTRODUCTION TO MUSIC
- MU 2202 - HISTORY OF ROCK N' ROLL, POP, AND SOUL
- MU 2203 - MUSIC AND THE SOUNDS OF FILM

Environmental, Economic, Social, and Personal Sustainability (1-3)

Biology

- BSC 1103 - ENVIRONMENTAL BIOLOGY

Business

- BUS 2202 - PERSONAL FINANCE

Dietetics

- DIT 1101 - PERSONAL NUTRITION
- DIT 2211 - INTRODUCTION TO NUTRITION

Gegography

- GEG 1122 - ENVIRONMENTAL ISSUES

Geology

- GEL 1102 - ENVIRONMENTAL GEOLOGY

Health & Physical Education

- HPE 1200 - PERSONAL and COMMUNITY HEALTH

Music

- MEN 3331 - MOUNTIE MARCHING BAND

Outdoor Recreation Leadership

- REC 1320 - MOUNTAIN BIKING

Ethics and Civic Responsibility (3)

African American Studies

- AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES

Leadership

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES

Nursing

- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE

Political Science

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

Sociology

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

Women's Studies

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

- D. Capstone Project (this is accomplished within the major and may take any appropriate form, e.g., portfolio, research paper, performance, etc.)

TOTAL HOURS 42-44

General Education courses are not simply to be started and completed in the first few semesters of a student's university career: general education should be wound throughout a student's time at Mansfield. This is why a minimum of 9 credit hours in General Education must be completed at the 3000-4000 level. At Mansfield University, the First Year Seminar marks the beginning of a student's general education experience, and the Senior Capstone Project marks the completion of the experience.

The General Education Curriculum is designed to give a student breadth in content and ample opportunities to develop fundamental skills. This is why a particular course can appear only once in the General Education Program and, with few exceptions, the same prefix may not be used more than twice to fulfill general education requirements.

Students need to complete courses in at least two of the three strands: Ethics & Civil Responsibility; Environmental, Economic, Social, and Personal Sustainability; and Arts & the Human Experience.

General Education seeks to foster an inquiring mind, the ability to communicate effectively, the use of varied means of seeking truth and acquiring knowledge, a sense of global connectedness, the ability to evaluate multiple perspectives, the use of ethical reasoning, the exercise of civic responsibility, and the lifelong pursuit of personal growth.

GENERAL EDUCATION: 2010 CATALOG YEAR AND EARLIER

For students in a program with a 2010 or earlier catalog year

Philosophy

The objective of the general education component of an undergraduate degree is to provide students with a foundation for lifelong learning and to enable them to function as responsible citizens in a rapidly changing world, consistent with the traditions of a liberal education.

General Education is designed, therefore, to enable students to continue to learn independently of formal classroom instruction. It extends throughout the undergraduate experience and into campus and community life. General Education encourages students to develop their abilities to observe, analyze and resolve problems, essential skills in a pluralistic and global environment. Finally, General Education makes students aware of the concept of ethical and moral responsibility to self and society.

General Education complements major course work and assists students in taking their proper place in society by helping them comprehend humankind; its cultures and history, the philosophies by which it lives, the means by which it communicates, and the arts and sciences which better its existence.

General Education Program Outcomes

General Education courses represent multiple disciplines and meet the general education requirements. Specifically, general education is designed to develop student competency across the core and general education blocks in the following:

- Thinking skills including critical thinking, problem solving, and analysis
- Communication
- An introduction to the principles, substance, and methodology of humanities, language and literature, mathematics, natural sciences, and social sciences, in addition to their majors.

Thinking Skills

Thinking skills including different types of processing information. Common examples are critical thinking, problem solving, and analysis. This following section defines three types of thinking and offers examples.

Critical Thinking

Students think rationally and critically about those matters that educated people debate. Student recognize and avoid common mistakes in reasoning, identify personal assumptions, challenge assumptions, gather and evaluate evidence from a variety of

sources, distinguish different kinds of reasoning, analyze and synthesize and integrate information to draw conclusions. Critical thinking is a broad type of reasoning that involved applying learning in situations and problems.

Problem Solving

A step-by-step process of defining the problem, searching for information, generating possible solutions, testing hypotheses using appropriate methodology, identifying and evaluating constraints, formulating implementation plans, and establishing success criteria. The goal of problem solving is to find and implement a solution.

Analytical Thinking

The process of breaking down complex information or ideas into simpler parts to understand how the parts relate or are organized. Analytical thinking involves identifying the underlying structure of complex information or ideas. Tasks at the analysis level require the learner to take the material apart and examine the pieces to identify logical errors (point out a contradiction or an erroneous inference), draw relationships between ideas, and/or compare and contrasts. Verbs that describe learning outcomes include:

Deduce	break down	relate
Outline	infer	diagram
Illustrate	subdivide	point to (out)

Communication

- Understands and makes him/herself understood
- Conveys information clearly and concisely
- Communicates effectively for a variety of purposes
- Expresses his/her needs, desires, and opinions
- Accesses tools, information, and strategies from a variety of resources
- Communicates effectively with diverse audiences

Principles, Substance, and Methodologies

Each of the disciplinary clusters represented in the distribution requirements below will develop student competency as described in the description for each Group Requirement.

Program Overview

There are two types of courses in General Education: Core and Group Distribution Requirements.

Core Courses (16 credits)

The Core Courses are designed to contribute to students' knowledge of the human experience in a variety of ways. Having completed the Core Courses, a student will be able to comprehend the breadth and depth of ideas related to human activity of both mind and body.

Student Learning Outcomes:

Students will demonstrate:

- Knowledge of at least one of the varying forms of artistic expression
- Enhanced oral communication skills
- Enhanced written communication skills
- Knowledge of behaviors that promote personal well-being.

Courses:

General Education Core

All students should take COM 1101 and ENG 1112 during their first year.

- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I
- ENG 3313 - COMPOSITION II
- ENG 3313W must be passed with a grade of "C-" or better.
- UNV 1100 - FIRST YEAR SEMINAR

Fine Arts (3 credits)

- ARH 1101 - INTRODUCTION TO ART
- MU 1101 - INTRODUCTION TO MUSIC
- THT 1110 - INTRODUCTION TO THEATER

Wellness (3 credits)

- AHD 2201 - PERSONAL DEVELOPMENT/LIFE CHOICES
- BUS 2202 - PERSONAL FINANCE
- DIT 1101 - PERSONAL NUTRITION
- DIT 2211 - INTRODUCTION TO NUTRITION
- DIT 2220 - NUTRITION AND EXERCISE
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- HPE 1168 - BLS FOR HLTH CARE PROVIDERS
-
- HPE 1200 - PERSONAL and COMMUNITY HEALTH
- HPE 3340 - FIRST AID and CPR
- HPE 3345 - WILDERNESS FIRST AID / CPR
- MEN 3331 - MOUNTIE MARCHING BAND
- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE
- NUR 4402 - WOMEN'S HEALTH ISSUES
- NUR 4410 - ALTERNATIVE AND COMPLEMENTARY THERAPIES
- NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS

- PSY 2212 - HUMAN SEXUALITY
- PSY 2421 - DEATH AND DYING
- REC 1310 - ROCK CLIMBING
- REC 1320 - MOUNTAIN BIKING
- REC 1330 - RIVER GUIDING
- REC 1340 - KAYAKING AND CANOEING
- REC 1550 - NATURE PHOTOGRAPHY
- REC 1560 - OBSERVING ANIMALS
- REC 1570 - EDIBLE/MEDICINAL PLANTS

Group Distribution Requirements

General Education distribution requirements are satisfied through completion of courses in the Liberal Arts and Sciences disciplines. Students must satisfy the minimum requirements in each of the six following groups:

Group I. Humanities (6 credits)

Students completing courses in the humanities acquire an understanding of the historical and philosophical traditions that shape the world. Courses examine historical and philosophical issues critically and comparatively through reading and discussing fundamental texts from the world's traditions.

Courses:

African American Studies

- AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES

Canadian Studies

- CDN 1101 - INTRODUCTION TO CANADA

Honors

- HON 1111 - HUMANITIES HONORS I
- HON 1112 - HUMANITIES HONORS II

History

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 2210 - AMERICAN WOMEN'S HISTORY
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 2220 - WORLD WAR II
- HST 2226 - FILM AS HISTORY
- HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY
- HST 3266 - HISTORY OF BASEBALL

- HST 3271 - AMERICAN REVOLUTION ON FILM
- HST 3294 - TOPICS IN AMERICAN HISTORY
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3301 - HISTORY OF COLONIAL AMERICA TO 1763
- HST 3302 - HISTORY OF THE EARLY REPUBLIC 1789 - 1848
- HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 4401 - HISTORY OF PENNSYLVANIA

Literature

- ENG 3376 - MAJOR GENRE
- Philosophy
- PHL 2200 - CRITICAL THINKING
- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 2259 - PHILOSOPHY OF RELIGION
- PHL 2350 - PHILOSOPHY AND POPULAR CULTURE
- PHL 3230 - FORMAL LOGIC
- PHL 3260 - TOPICS IN PROFESSIONAL ETHICS
- PHL 3300 - PHILOSOPHY OF THE ARTS
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3340 - ETHICS
- PHL 3380 - HEALTH CARE ETHICS

Women's Studies

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

Group 2. English and Modern Languages (6 credits)

Foreign Languages

Students completing foreign language courses will have an appropriate level of skill in speaking, reading, writing, and listening to the target language.

Students who opt to fulfill their language and literature requirement with 6 credits of a foreign language are required to take two consecutive courses, of the same language (note: the second course must be at a higher level). Students who have previously studied a language are strongly encouraged to begin with the second or the third semester of the language, not with the first, but should consult with the foreign language faculty for placement.

Literature

Students completing literature courses will have a knowledge of literary texts—their genres, literary devices, historical and cultural background, significance for readers today – and the analytical tools needed to work with these texts.

Courses:

Any course in the Foreign Languages.

English

- ENG/UNV 2255
- ENG 1115 - INTRODUCTION TO LITERATURE
- ENG 1175 - NATURE OF LANGUAGE
- ENG 2203 - READINGS IN ANCIENT LITERATURE
- ENG 2204 - READINGS IN WORLD LITERATURE
- ENG 2207 - READINGS IN BRITISH LITERATURE
- ENG 2208 - READINGS IN AMERICAN LITERATURE
- ENG 2209 - READINGS IN SHAKESPEARE
- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 2252 - INTRODUCTION TO POETRY WRITING
- ENG 2254 - INTRODUCTION TO FICTION WRITING
- ENG 2299 - MONSTERS IN LITERATURE AND FILM
- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- ENG 3269 - SURVEY OF BRITISH LITERATURE II
- ENG 3278 - SURVEY OF AMERICAN LITERATURE I
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II
- ENG 3281 - INTRODUCTION TO LINGUISTICS
- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- ENG 3316 - CREATIVE NON-FICTION PROSE WRITING
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- ENG 3332 - NATURE WRITING
- ENG 3381 - HISTORY OF LITERARY THEORY AND CRITICISM
- ENG 3389 - GRAPHIC NOVEL

Group 3. Mathematics (3 credits)

Students completing MA-prefix courses develop an ability to understand and to utilize numerical data and mathematical methods for analysis and problem solving.

Courses:

All MA Prefix courses except:

- MA 0090 - BASIC ALGEBRA

Group 4. Natural Sciences (6 credits)

Students completing courses in the natural sciences experience scientific experimentation through laboratory exercises, focus on the nature of scientific reasoning, discovery, and invention through the systematic exploration of basic concepts. Students will complete at least one laboratory course.

Some courses have associated lab and / or recitation components. If components of such a lab course must be taken together. If a student fails one component of a course, all components of the course must be retaken to get credit for the course.

Courses:

Astronomy

- AST 1105 - THE EXPLORATION OF THE SOLAR SYSTEM
- AST 1106 - ONE POSSIBLE UNIVERSE
- AST 1109 - OBSERVING THE WINTER SKY
- AST 1110 - OBSERVING THE SPRING SKY
- AST 1111 - OBSERVING THE SUMMER SKY

Biology

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 3394 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BSC 1101 - GENERAL BIOLOGY
- BSC 1102 - CONTEMPORARY BIOLOGICAL PROBLEMS
- BSC 1103 - ENVIRONMENTAL BIOLOGY
- BSC 1104 - HUMAN BIOLOGY
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- BSC 2294 - NATURAL AND CULTURAL HISTORY OF THAILAND

- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES

Chemistry

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1103 - CHEMISTRY AND THE ENVIRONMENT
- CHM 1105 - HOW DRUGS WORK
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II

Geology

- GEL 1102 - ENVIRONMENTAL GEOLOGY
- GEL 1121 - PHYSICAL GEOLOGY

Honors

- HON 1107 - MACRO PHYSICAL SCIENCE
- HON 1108 - MICROPHYSICAL SCIENCE

Physics

- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Science

- SCI 1104 - FORENSIC SCIENCE
- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II

Group 5. Social Sciences (9 credits)

Students completing courses in the social sciences examine the structure and organizing principles of human societies, including their psychological and cultural dimensions, as well as their economic, social, and political foundations.

Courses:

Anthropology

- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 2995 - MEDICAL ANTHROPOLOGY
- ANH 3280 - ANTHROPOLOGICAL LINGUISTICS
- ANH 3311 - ETHNOGRAPHIC RESEARCH

Economics

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- ECO 2205 - CONTEMPORARY ECONOMIC PROBLEMS

Geography

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA
- GEG 3381 - GEOGRAPHY OF PENNSYLVANIA

Leadership

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES

Political Science

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2204 - STATE AND LOCAL POLITICS
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 3325 - ADVANCED LEADERSHIP
- PSC 4402 - PRESIDENT AND CONGRESS

Psychology

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3292 - CHILD PSYCHOLOGY
- PSY 3321 - ADOLESCENT PSYCHOLOGY
- PSY 3325 - ADVANCED LEADERSHIP
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Sociology

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2203 - TELEPHONE SURVEY RESEARCH
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 2260 - SOCIAL STRATIFICATION
- SOC 3305 - SOCIOLOGY OF RELIGION
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER

- SOC 3322 - SOCIOLOGY OF AGING
- SOC 3360 - SOCIOLOGY OF MEDICINE
- SOC 3365 - DISABILITY AND SOCIETY
- SOC 3370 - SOCIOLOGY OF CHILDHOOD
- SOC 4415 - AMERICAN VALUES IN CONFLICT

Group 6. General Education Elective (9 credits)

Any courses, regardless of level (1000-4000), from the same disciplines approved for Distribution Group Requirements (Groups 1 through 5) may be used as a General Education Elective. Any Art History (ARH) or Art (ART), Communications (COM), Music (MU), or Theatre (THT) course may also be used as a general education elective. Introductory courses in certain professional departments are approved as acceptable General Education Electives. If this area is then selected as a major, the course must be replaced with another General Education or Professional course. One Professional Course may be selected from the following approved courses: (A Professional Course is not required to complete this group).

- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- REC 1200 - INTRODUCTION TO OUTDOOR RECREATION
- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION
- TRT 1102 - INTRODUCTION TO TRAVEL-TOURISM
- WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT

Global Awareness (G)

Global awareness opens doors into varied cultures and furthers an understanding of our complex world. It considers the perspectives of peoples from cultures and circumstances other than one's own, and the major challenges facing humankind requiring global cooperation, while also recognizing the phenomena that engender continued conflict and competition in an increasingly interdependent world. All students will complete three designated Global Awareness (G) courses. Transfer students have the following exceptions:

Students who transfer in 31-60 credits must complete two “G” courses (any level). Students who transfer in 61 or more credits must complete one “G” course. Associate Degree candidates must complete one “G” course.

Student Learning Outcomes:

Student will:

- Identify major global issues.
- Examine global issues from multiple perspectives.
- Examine the concepts of power, gender, race and class intra- and inter-culturally.
- Compare and contrast their own beliefs and attitudes with those of other national, cultural, racial, ethnic, gender, and religious groups.

Courses: (List Subject to Change)

All foreign language courses are Global

- ANH 2255
- ACC 3320 - ADVANCED ACCOUNTING I
- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 2995 - MEDICAL ANTHROPOLOGY
- ANH 3280 - ANTHROPOLOGICAL LINGUISTICS
- ANH 3296 - EUROPEAN ETHNOGRAPHY
- ANH 3332 - ANTHROPOLOGY OF COMMUNICATION
- ANH 3333 - SOUTH AND SOUTHEAST ASIAN ETHNOLOGY
- ANH 3350 - SELECTED TOPICS SEMINAR
- ANH 4440 - ANTHROPOLOGY OF RELIGION
- ANH 4471 - THE ANTHROPOLOGY OF MESOAMERICA
- ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE
- ARH 4410 - WOMEN IN ANCIENT GREEK ART
- ART 1107 - GLOBAL ART
- ART 2238 - MULTICULTURAL CRAFTS
- ART 3271 - CERAMICS
- ART 3338 - MULTICULTURAL CRAFTS
- BI 3333 - PLANTS AND PEOPLE
- BI 3394 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BSC 2294 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BUS 3310 - MANAGING DIVERSITY
- BUS 3321 - ENVIRONMENT AND MANAGEMENT OF INTERNATIONAL BUSINESS
- CDN 1101 - INTRODUCTION TO CANADA
- CDN 4490 - SELECTED TOPICS IN CANADIAN STUDIES
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 4309 - E-COMMERCE SYSTEMS
- CIS 4410 - MIS SEMINAR
- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3332 - CROSS CULTURAL COMMUNICATION
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- ECO 3333 - INTERNATIONAL ECONOMICS
- ENG 1130 - INTRODUCTION TO LITERARY STUDIES
- ENG 2203 - READINGS IN ANCIENT LITERATURE
- ENG 2204 - READINGS IN WORLD LITERATURE
- ENG 2207 - READINGS IN BRITISH LITERATURE
- ENG 2209 - READINGS IN SHAKESPEARE
- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- ENG 3269 - SURVEY OF BRITISH LITERATURE II
- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE
- ENG 3351 - ENGLISH RENAISSANCE LITERATURE
- ENG 3352 - SHAKESPEARE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE
- ENG 3360 - BRITISH LITERATURE SINCE 1900
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT
- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 2220 - WORLD WAR II
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3313 - WOMEN IN EUROPEAN HISTORY

- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3345 - MIDDLE AGES: LIFE AND STYLE
- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3395 - THE COLD WAR
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD
- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR
- MKT 4422 - INTERNATIONAL MARKETING
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES
- PHL 3330 - EASTERN APPROACHES TO REALITY
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 3377 - LATIN AMERICAN POLITICS
- PSC 4412 - TOPICS IN COMPARATIVE POLITICS
- PSC 4430 - GLOBAL DEMOCRATICIZATION
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2421 - DEATH AND DYING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3312 - DEVIANT BEHAVIOR AND SOCIAL PROCESS
- PSY 4422 - PSYCHOLOGY OF WOMEN

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2260 - SOCIAL STRATIFICATION
- SOC 3305 - SOCIOLOGY OF RELIGION
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER
- TRT 1102 - INTRODUCTION TO TRAVEL-TOURISM
- TRT 3300 - THE TRAVEL CONSUMER
- TRT 3312 - INTERNATIONAL TOURISM
- TRT 3321 - WORLD-WIDE DESTINATIONS ATTRACTIONS
- TRT 4480 - CONTEMPORARY ISSUES TRAVEL TOURISM

Information Literacy (I)

Information Literacy is a fundamental component of the educational process in which a student learns how to think actively and critically about information. Courses designated as Information Literacy (I), require students to become skilled users of information sources in many locations and formats, thereby increasing their responsibility for their own learning.

All students will complete three designated Information Literacy (I) courses. At least two "I" courses must be at the Upper Division level.

Transfer students have the following exceptions:

Students who transfer in 31-60 credits must complete two "I" courses (one Upper Division and one Lower Division). Students who transfer in 61 or more credits must complete one Upper Division "I" course. Associate Degree candidates must complete one "I" course. Applied Associate Degree candidates must complete one "I" course.

Student Learning Outcomes:

Students will:

- Recognize the significance of information in solving everyday problems.
- Identify a wide variety of information resources (both format and source).
- Identify needed information to solve a given problem or understand an issue.
- Recognize distortion, and other misuses of information.
- Gather, synthesize, analyze, interpret, and evaluate information.
- Use information effectively to address a given problem or issue.
- Present information issues and solutions to others.

Courses: (List subject to change)

- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 1104 - INTRODUCTION TO LINGUISTIC ANTHROPOLOGY
- ANH 3280 - ANTHROPOLOGICAL LINGUISTICS
- ANH 3311 - ETHNOGRAPHIC RESEARCH
- ANH 4471 - THE ANTHROPOLOGY OF MESOAMERICA
- ANH 4490 - FIELD STUDY
- ANH 4499 - APPLIED ANTHROPOLOGY
- ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS
- ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS
- ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE
- ART 1107 - GLOBAL ART
- BI 3310 - PHYSIOLOGY
- BI 3318 - ORNITHOLOGY
- BUS 3260 - ENTREPRENEURSHIP
- BUS 3310 - MANAGING DIVERSITY
- BUS 3321 - ENVIRONMENT AND MANAGEMENT OF INTERNATIONAL BUSINESS
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY
- CHM 4410 - SEMINAR
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CIS 3303 - WEB SITE DESIGN
- CIS 3304 - ADVANCED WEB DESIGN
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 3310 - SYSTEMS ANALYSIS
- CIS 4410 - MIS SEMINAR
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 3357 - CORRECTIONAL STRATEGIES
- CJA 3395 - DELINQUENCY AND THE JUVENILE JUSTICE SYSTEM
- CJA 4475 - SERIAL MURDER
- CJA 4490 - SENIOR SEMINAR
- COM 1101 - ORAL COMMUNICATION
- COM 2205 - INTERPRETING COMMUNICATION RESEARCH
- COM 4400 - COMMUNICATION THEORY
- COM 4425 - PUBLIC COMMUNICATION
- COM 4440 - COMMUNICATION LAW
- DIT 2211 - INTRODUCTION TO NUTRITION
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- DIT 3316 - COMMUNITY NUTRITION
- DIT 4402 - MEDICAL NUTRITION THERAPY II
- DIT 4420 - NUTRITION RESEARCH SEMINAR
- ECO 3333 - INTERNATIONAL ECONOMICS
- ED 2260 - ASSESSMENT IN EDUCATION
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4460 - PROFESSIONAL SEMINAR
- ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY
- ELE 3391 - BEHAVIORAL, SOCIAL, AND EMOTIONAL ISSUES
- ELE 3400 - SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL
- ELE 4460 - PROFESSIONAL SEMINAR
- ENG 1112 - COMPOSITION I
- ENG 1175 - NATURE OF LANGUAGE
- ENG 3281 - INTRODUCTION TO LINGUISTICS
- ENG 3352 - SHAKESPEARE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 4401 - SEMINAR IN LITERARY STUDIES
- GEG 3280 - CARTOGRAPHY
- GEG 3364 - GEOSTATISTICS
- GEG 3410 - GEOGRAPHIC RESEARCH
- GEL 3500 - GEL MAPPING/ANALYSIS
- HON 4497 - SENIOR RESEARCH PRESENTATION
- HST 2226 - FILM AS HISTORY
- HST 3266 - HISTORY OF BASEBALL
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3290 - HISTORICAL METHODS
- HST 3294 - TOPICS IN AMERICAN HISTORY
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789
- HST 3307 - CONTEMPORARY AMERICA
- HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945
- HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3326 - HISTORY OF WOMEN AND TELEVISION
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA

- HST 3345 - MIDDLE AGES: LIFE AND STYLE
- HST 3350 - INTRODUCTION TO PUBLIC HISTORY
- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3395 - THE COLD WAR
- HST 4401 - HISTORY OF PENNSYLVANIA
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST
- HST 4431 - HISTORY OF CONSUMER CULTURE IN AMERICA
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4496 - SENIOR SEMINAR
- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MKT 3330 - MARKETING
- MKT 3334 - MARKETING RESEARCH
- MKT 4422 - INTERNATIONAL MARKETING
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES
- PHL 2200 - CRITICAL THINKING
- PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- PHL 4423 - TWENTIETH CENTURY PHILOSOPHY
- PHL 4490 - SEMINAR
- PHY 3316 - DIGITAL ELECTRONICS
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 3357 - SOCIOLOGY OF EDUCATION
- PSC 3377 - LATIN AMERICAN POLITICS
- PSC 4402 - PRESIDENT AND CONGRESS
- PSC 4404 - COURTS AND THE CONSTITUTION
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 2206 - RESEARCH METHODS I
- PSY 3301 - THEORIES OF COUNSELING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 4422 - PSYCHOLOGY OF WOMEN
- PSY 4441 - FORENSIC PSYCHOLOGY
- PSY 4490 - SENIOR SEMINAR
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2203 - TELEPHONE SURVEY RESEARCH
- SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS
- SOC 3357 - SOCIOLOGY OF EDUCATION
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION
- SPE 3400 - BECOMING A PROFESSIONAL: SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL
- SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED
- SPE 4460 - PROFESSIONAL SEMINAR
- SWK 2249 - PROFESSIONAL COMMUNICATION SKILLS
- SWK 3308 - EVALUATION RESEARCH
- TRT 3300 - THE TRAVEL CONSUMER
- TRT 3321 - WORLD-WIDE DESTINATIONS ATTRACTIONS
- TRT 4480 - CONTEMPORARY ISSUES TRAVEL TOURISM

Writing Across the Curriculum (WAC)

The Writing Across the Curriculum program helps you become a competent writer through assignments in designated writing courses which require different conventions of purpose and audience, different formats and styles, and different kinds of writing for various disciplines. These writing courses are drawn from all areas of the curriculum and involve students in regular, frequent writing. Writing Across the Curriculum requirements are satisfied by completing ENG 1112W, ENG 3313W, and three writing designated (W) courses, at least one of which must be an upper-level course.

Transfer students must complete ENG 1112W and ENG 3313W or transfer equivalent writing courses from another institution. Students who transfer in 1-30 credits must complete the normal three additional "W" courses. Students who transfer in 31-60

credits must complete two additional “W” courses (at least one must be at 3000 level or above). Students who transfer in over 60 credits must complete one additional “W” course at the 3000 level or above.

Two writing across the curriculum courses are required in addition to ENG 1112W for Associate Degree Programs.

Associate Degree Students and General Education

Core as Follows:

Associate degree-seeking students must complete 11 credits within the:

- Fine arts course
- One credit of Wellness
- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I
- UNV 1100 - FIRST YEAR SEMINAR

Note: Our associate degree programs are designed to provide the foundational coursework for students wishing to complete a bachelor’s degree program.

Additional Requirements

All associate degree students must complete the required courses in at least three of the five distribution group areas.

Students seeking the AA degree must earn at least 20 credits within the distribution group areas. Students seeking the AS or AAS degree must earn at least 14 credits within the distribution group areas.

UNDERGRADUATE DEGREE PROGRAMS

ART EDUCATION BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of Art
Professor Kutbay
Associate Professors Schlegel, Whitehouse (Chairperson)
Assistant Professor Anderson

Art Department Mission

The mission of the Art Department at Mansfield University is to develop and sustain flourishing programs within the visual arts that support the needs of its undergraduate, graduate, post-graduate, and continuing education students, as well as members of the community seeking personal enrichment.

The Art Department's three undergraduate programs (B.S.Ed. in Art Education, B.S. in Graphic Design, and B.A. in Art History) will continue to meet the needs of tomorrow's students, helping them to cultivate careers as art educators, art historians, graphic designers, museum facilitators, and as leaders and entrepreneurs within our communities.

Through all interactions, the Art Department strives to exemplify and teach respect for the art and scholarly community, engendering positive character, the ability to think critically, give and receive constructive feedback, and act in an ethical and professional manner. Seamlessly embedded into the curriculum is a focus on visual literacy and global awareness, creating a vibrant and comprehensive visual arts program—inherent to the fabric of any strong, liberal arts university and essential in developing individuals who will grow, care for, and leave a positive imprint on the world.

Art Department Vision

The Art Department will serve as a cultural center of the visual arts for the University and outlying communities. Through ongoing evaluation of program goals, content and structure, the Art Department will keep these programs vital, innovative, and in step with current best practices.

By continuing to foster a creative and flexible program structure, the Art Department will seek to provide an educational format that provides students with the ability to acquire necessary life and career competencies.

With the support of the University, the Art Department will continue to offer a gallery venue through which professional artists, students, and faculty may exhibit their artwork—further establishing accessibility of the arts within our region.

Mission of Art Education Program

The Art Education program guides prospective teachers to meet the certification requirements of Pennsylvania Department of Education by providing a rich foundation in studio art production skills, by teaching the recognition and knowledge of art historical movements and artworks, by cultivating aesthetic opinion and context of art, and critical skills in the analysis and comparison of artworks. These important elements are infused into the theory and practice of art education in our program. Upon satisfactory completion of the program, a graduate is qualified to teach art in pre-kindergarten, elementary, and secondary schools (PreK-12).

Values of Art Education Program

We strive to embrace diversity of peoples, philosophies, and cultural histories in instruction, consistently modeling for students the importance of understanding and valuing others. We value and provide opportunities for professional development conferences, art gallery exhibitions and artist talks, and art classes and summer camps.

We provide teacher-candidates with opportunities to participate in the student chapters of both Pennsylvania Art Education Association (PAEA) and National Art Education Association (NAEA), through which service to both the university and outside communities is part of the programming.

We value ethical and compassionate dispositions in future art educators, which are key components in becoming a master teacher.

Vision of Art Education Program

Art is a core discipline, and we set high standards in its study and practice through art production, art history, aesthetics, and art criticism. Future art teachers must value art as a means of communication, as historical components of civilization, and as a provider of a unique form of knowledge. We ensure that our students are exposed to campus-wide faculty and community/national/international art education leaders and artists who are strongly committed to the advancement of scholarship and teaching in visual arts.

Goals of Art Education Program

- Art educators possess a thorough understanding of the visual arts
- Art educators understand student characteristics, abilities, and learning styles
- Art educators understand social and cultural constructions of identity
- Art educators make informed selections of art content and curricula
- Art educators use knowledge of students as learners to plan appropriate instruction and conduct meaningful and appropriate assessments of student learning
- Art educators systematically reflect on their own teaching practices

Program Outcomes for Art Education Program

Upon graduation, Mansfield University Art Education students will:

- Demonstrate strong studio skills and a well-developed understanding of their own art-making processes, qualities, and techniques.
- Make meaningful interpretations and critical judgments about their own artworks and the works of other artists recognizing and discriminating the aesthetic and artistic purposes of art.
- Explain cultural and historical contexts surrounding works of art and visual culture which communicate, challenge, and shape cultural and social values.
- Select instruction that will enhance student motivation and curiosity by utilizing knowledge of artistic development as a complex multidimensional process affected by psychological, experiential, and social factors.
- Utilize diversity of peoples, philosophies, and cultural histories in preparation of instruction, consistently modeling the importance of understanding and valuing others.
- Develop curricula that address students' ability to respond and interpret art content, and to create meaning through art making.
- Design and implement assessment strategies consistent with instructional goals, teaching methods, and individual student needs.
- Be able to reflect on their teaching practice to extend their knowledge and improve their teaching.
- Clearly articulate their teaching philosophy that outlines the ways in which art learning can contribute to cognitive, emotional, moral, and social growth.

Policies and Procedures

Incoming freshman and transfer students must submit a portfolio for review and have a personal interview conducted by art faculty for acceptance into the program. Portfolios should be submitted under the Art Department guidelines (see web page <http://mansfield.edu/art/>).

Deadlines are: Fall admittance prior to April 30th; spring admittance prior to November 15th. Art Education majors are required to meet a 3.0 grade average at the time they are admitted to the professional education program (after 48 credits), at the time of student teaching, and at graduation. A negative TB tine test, the Act 34 Pennsylvania Police, Act 151 Child Abuse, and PA FBI clearances must be filed and current at 48 credits and again at student teaching. In keeping with the Pennsylvania Department of Education requirements, all students are required to take: 6 credits of math; 3 credits of English composition; 3 credits of English literature; and pass the Praxis I exam. All studio and professional courses must be completed before student teaching. Graduating students must successfully complete the Praxis II examination both in general studies and their area of specialization (art) to be certified to teach in Pennsylvania. Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "University Policies."

Program Requirements:

Art Education (B.S.Ed.): 129 s.h.

- ARH 1101 - INTRODUCTION TO ART
- ART 2240 - TWO-DIMENSIONAL DESIGN
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Studio - Foundation Cluster

- ART 2200 - FOUNDATION IN NEW MEDIA
- ART 2244 - THREE-DIMENSIONAL DESIGN
- ART 2248 - DRAWING

Studio Clusters

- Art Studio - Breadth
- Take 3 credits each from Groups 1 - 3

Art Studio - Depth (Group 4)

- Take 6 credits of 3000 / 4000 level studios in one cluster
- Take 6 credits of 3000 / 4000 level studio electives

Group 1 - 2-D / Graphics

- ART 2218 - PHOTOGRAPHY
- ART 2250 - FIGURE DRAWING
- ART 3261 - WATER BASE MEDIA
- ART 3301 - PAINTING
- ART 3331 - PRINTMAKING
- ART 3345 - 2-D FIBERS
- ART 3393 - SPECIAL TOPICS (2-D / Graphics Topic)

Group 2 - 3-D / Spatial

- ART 2238 - MULTICULTURAL CRAFTS
- ART 3271 - CERAMICS
- ART 3281 - SCULPTURE
- ART 3351 - JEWELRY
- ART 3393 - SPECIAL TOPICS (3-D / Spatial topics)
- ART 3446 - 3-D FIBERS

Group 3 - Digital / Media

- ART 3330 - DIGITAL PHOTOGRAPHY
- ART 3342 - DESIGN AND ADVERTISING
- ART 3365 - DIGITAL IMAGING AND ILLUSTRATION
- ART 3393 - SPECIAL TOPICS (Digital / Media topics)
- GRA 2202 - INTRODUCTION TO GRAPHIC DESIGN
- GRA 3350 - TYPOGRAPHY

Group 4

- (see above)

Art History

- ARH 3331 - HISTORY OF MODERN ART
- Take one course from the following:
- ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART
- ARH 3330 - HISTORY OF AMERICAN ART
- ARH 4409 - WOMEN IN ART

Professional Education

- ARE 2211 - INTRODUCTION TO ART EDUCATION
- ARE 3291L - HIGH INCIDENCE DISABILITIES - ART LAB
- ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS
- ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS
- ARE 4400 - STUDENT TEACHING
- ARE 4403L - ART EDUCATION SEMINAR LAB
- ARE 4440 - ART EDUCATION FIELD EXPERIENCE
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES
- ED 1110 - FOUNDATIONS OF EDUCATION
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

TOTAL CREDIT HOURS: 89

ART HISTORY

BACHELOR OF ARTS

Offered by the Department of Art**Professor Kutbay****Associate Professor Schlegel****Assistant Professor Anderson, Whitehouse (Chairperson)**

Art history majors acquire a background in the historical and cultural origins of the visual arts, from cave painting to computer art. Art History courses include Art and Mythology of Ancient Greece, Medieval Art, Art of the Renaissance, History of African-American Art, and Asian Art. This program is primarily preparation for graduate school, but with close advisement in selecting courses, it also prepares students for work in galleries, museums, writing in the art field, and other related careers.

The B.A. in Art History is unique in that it offers all 30 credits of core courses in Art History in an online environment. In addition the 120 credit program requires 55 credits of General Education courses, and 35 credits of free electives. The 30 credits of core courses consist of ARH 1101 Introduction to Art, ART 3300 Visual Studies in Aesthetic Experiences, ART 4404 Special Problems in Art, and 21 credits of Art History electives. As part of the B.A. degree in Art History, students are required to do either a minor in any field, or complete any language of choice at a second year proficiency. Currently the majority of online General Education courses are offered during the summer. Students may supplement their online courses with courses that are offered on campus, or they may opt to transfer in credits from elsewhere as part of their degree program.

Mission

The Art History mission is to develop awareness of the cultural traditions in the visual arts worldwide, foster an understanding of the institutions that display and conserve art collections, and teach skills in visual analysis, critical thinking and interpretation of artworks that are useful for a lifetime.

Vision

The vision of the Art History, B.A., is to celebrate artistic and cultural creativity worldwide by interpreting objects of art and culture in ways that increase knowledge, enrich the spirit, engage the mind and stimulate the senses. Through these activities, Art History strives to create experiences that transform people's lives by broadening their perspectives, attitudes, and knowledge of themselves and the wider world.

Values

The Art History program is committed to providing the highest quality education in a caring environment that supports diversity, individual achievement, excellence and integrity.

Program Outcomes

- Articulate knowledge of the cultural and historical context in which works of art and architecture were made.
- Distinguish among stylistic traditions in major historical art styles in selected artworks.
- Specify the iconography of selected artworks.
- Apply knowledge of aesthetics in some of the major styles of western and non-western art.

Program Requirements:

Art History (B.A.): 120 s.h.

- ARH 1101 - INTRODUCTION TO ART
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES
- ART 4404 - SPECIAL PROBLEMS IN ART
- Art History Electives - 21 credits from the ARH prefix

TOTAL CREDIT HOURS: 30

BIOLOGY BACHELOR OF SCIENCE

Offered by the Department of Biology

Professors Kirby, Maris, (chairperson)

Associate Professors: Clifford, Hensley, Kagle, Stein

The Department of Biology offers the B.S. degree with five concentrations within the major in Biology: General, Molecular/Cellular, Environmental, Fisheries, and Medical Technology. The department also offers a minor in Biology. The Department of Biology promotes, encourages and assists with the broader university-wide outcomes of Leadership and Global Consciousness.

A feature of all Biology curricula is the requirement to complete an undergraduate research project. All concentrations meet the minimum requirements for medical schools. The Biology program is excellent preparation for graduate school. Many Biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements for medical, dental, chiropractic, veterinary, and physical therapy schools with proper course selection under the B.S. degree.

Department Mission

The Biology Department mission statement is to provide high quality undergraduate instruction to both Biology majors and

non-majors, to integrate the scientific method and scientific investigation into the Biology curriculum, and to enhance the University, community, and region.

Department Goals

- **Quality Undergraduate Instruction**
The Department of Biology strives to provide high quality undergraduate instruction through a rigorous curriculum which fosters opportunities for students to learn and apply basic biological concepts, make connections between those concepts and real-world situations, and critically evaluate information for its biological validity.
- **Integration of Scientific Investigation**
Every Biology major, except Medical Technology, will design and complete an independent research project in collaboration with a faculty advisor.
- **Service to the University, Community, and Region**
The Department of Biology is committed to helping students recognize opportunities to apply their biological knowledge and skills to serve the community.

Program Outcomes

1. Knowledge of Biology

Success in any field within biology requires students to be able to identify and describe the basic principles on which our current understanding of the biological world is based. By the end of his/her program each student is expected to be able to explain and/or analyze the following:

- 1.1 Distinguishing characteristics of living systems
- 1.2 Hierarchical organization of living systems
- 1.3 Structure and function of cells
- 1.4 Energy transformations of living system
- 1.5 Patterns of growth, reproduction, and development in living systems,
- 1.6 Structural and functional features that allow organisms to carry out fundamental life processes (e.g., resource acquisition, gas exchange, transport of materials, maintenance of homeostasis, response to stimuli, reproduction, etc.)
- 1.7 Principles of heredity, including Mendelian and molecular genetics,
- 1.8 Ecological interactions among organisms and between organisms and their environments
- 1.9 Evolutionary history and mechanisms of evolutionary change in populations
- 1.10 Biological diversity and a familiarity with the organisms and ecosystems of the local landscape.

2. Research Skills and Understanding of Scientific Process

Students must comprehend and utilize an array of skills in order to carry out the scientific research process necessary to succeed in a scientific career. These skills are most effectively attained

through the pursuit of novel research. By the end of their time as an undergraduate each student is expected to be able to conduct research that includes the following:

- 2.1 Observe and describe nature accurately
- 2.2 Collect, organize, and analyze relevant background information
- 2.3 Generate and state testable hypotheses
- 2.4 Design experiments to test hypotheses
- 2.5 Successfully apply scientific protocols
- 2.6 Collect data in a manner consistent with a prescribed research design
- 2.7 Interpret and analyze data.
- 2.8 Present research findings in a written and oral formats
- 2.9 Evaluate the strengths and limitations of scientific investigation.

3. Critical, analytical and integrative thinking

Critical, analytical, and integrative thinking skills are fundamental to the pursuit of any scientific study. By the end of their time as an undergraduate each student is expected to be able to do research that includes the following:

- 3.1 Approach novel problems with flexibility, creativity, and confidence
- 3.2 Make connections between concentration areas within biology
- 3.3 Apply theoretical perspectives to personal experiences and current events/problems
- 3.4 Critique logical arguments in biology
- 3.5 Draw conclusions and evaluate their relative quality
- 3.6 Apply quantitative reasoning to biological questions
- 3.7 Analyze data using statistical method
- 3.8 Analyze scientific information, and apply these skills to decision making
- 3.9 Be able to read and interpret biological literature

4. Writing and other communication skills

Our scientific comprehension of the natural world is built upon the discoveries of others. The effective communication of scientific ideas and discoveries are critical to the advancement of the field and the future success of those pursuing scientific careers. By the end of their time as an undergraduate each student is expected to be able to present the results of his/her senior research that demonstrates the following:

- 4.1 Writing skills which involve integration of their personal knowledge of biological content.
- 4.2 Communicate ideas and arguments effectively both orally and in writing
- 4.3 Write a scientific report that is correct in style and cogent in its organization, presentation, analysis, and conclusions.
5. Concentration Specific Outcomes (see individual concentrations)
- 5.1 Environmental Biology Concentration
- 5.2 Fisheries Concentration

5.3 Cell and Molecular Concentration

5.4 Medical Technology Concentration

Department Policies and Procedures

Biology Electives - All upper level Biology elective transfer credits (after becoming a Mansfield student) must be taken from 4-year institutions.

Cell Phones - Visible cell phones can lead to a grade of zero on graded activities. Cell phone use during lecture and lab can cause deductions in course grades.

CPUB Membership - All students upon enrollment as a major in any Biology program automatically become a member of the Commonwealth of Pennsylvania University Biologists (CPUB) which encompasses students and faculties from the 14 Pennsylvania State System of Higher Education institutions.

Internships - Internships cannot be taken for more than 3 credits; BI 4450 (Internship), 6 and 12 credits, has been replaced by BI 4451 (Practicum in Fisheries), 1-3 credits.

Lab - Lab and lecture must be taken together for all Biology courses (BI, BSC) having both components. Lab must be passed to pass the course. A minimum of 75% of labs must be attended to pass lab. If lecture or lab is failed, both components must be repeated.

Minimum Grade Requirement - Beginning with incoming students, Fall 2011, a minimum grade requirement of C- is necessary before advancing with all Biology program requirements.

Pass/Fail - No courses required in Biology programs can be taken as Pass/Fail.

Research - Proposals from research projects must be approved by a departmental research committee, and if appropriate, university animal usage and human subject involvement committees.

Program Requirements: Biology (B.S.) 120 s.h.

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 3290 - RESEARCH METHODS
- BI 3350 - ECOLOGY
- BI 3370 - CELL BIOLOGY
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Take one course from the following:

- BI 3310 - PHYSIOLOGY
- BI 3312 - VERTEBRATE ANATOMY
- BI 3314 - ICHTHYOLOGY
- BI 3315 - FISH PATHOLOGY
- BI 3316 - INVERTEBRATE ZOOLOGY
- BI 3317 - PARASITOLOGY
- BI 3318 - ORNITHOLOGY
- BI 3319 - AQUATIC ENTOMOLOGY
- BI 3330 - PLANT PHYSIOLOGY
- BI 3331 - LOCAL FLORA
- BI 3333 - PLANTS AND PEOPLE

Take one course from the following:

- BI 3351 - LIMNOLOGY
- BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS
- BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS
- BI 3354 - MARINE BIOLOGY
- BI 3355 - PALEOBIOLOGY
- BI 3356 - ANIMAL BEHAVIOR
- BI 3357 - EPIDEMIOLOGY
- BI 3358 - PLANT-ANIMAL INTERAC

Take one course from the following:

- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY
- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- BI 3378 - TISSUE CULTURE
- BI 4470 - MOLECULAR BIOLOGY

Take one course from the following:

- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BI 3391 - EVOLUTION
- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- BI 3394 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BI 4497 - INDEPENDENT STUDY

Biology Electives

- Take 7 - 11 credits from the BI prefix

TOTAL CREDIT HOURS: 66 - 84

BIOLOGY

CELL AND MOLECULAR CONCENTRATION

Offered by the Department of Biology

Professors Kirby, Maris (chairperson)

Associate Professors: Clifford, Hensley, Kagle, Stein

The Cell and Molecular Biology concentration is designed to educate students in contemporary Biology emphasizing molecular interactions, cell development and functions. This concentration is the primary degree for medical school preparation. This program has a strong emphasis on chemistry. Students learn to manipulate and use a variety of cell and molecular techniques important in present day research. Students selecting this concentration are qualified to enter the job market in Biotechnology, Pharmaceuticals, Medicine, and the Molecular Biology of the environment. The student learning outcomes for the Cell and Molecular Biology Concentration are the same as for the overall program, but with special emphasis on the knowledge of Biology pertaining to cellular structure and function and the molecular aspects of Biology.

Concentration Outcomes

In addition to the core Student Learning Outcomes for the Biology program, students in the Cell and Molecular Concentration are expected to be able to apply:

1. Mastery of Student Learning Outcomes 1.3, 1.6 and 1.7.
2. Successful application of laboratory techniques required for Molecular Biology experimentation, including polymerase chain reaction, nucleic acid purification, handling of bacterial cultures.

Program Requirements: Biology Cell & Molecular Concentration

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 3290 - RESEARCH METHODS
- BI 3310 - PHYSIOLOGY OR
- BI 3330 - PLANT PHYSIOLOGY
- BI 3350 - ECOLOGY
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I

- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3341 - BIOCHEMISTRY
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Take one course from the following:

- BI 3317 - PARASITOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY
- BI 3378 - TISSUE CULTURE
- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BI 4470 - MOLECULAR BIOLOGY

TOTAL CREDIT HOURS: 78 - 80

BIOLOGY

ENVIRONMENTAL BIOLOGY CONCENTRATION

Offered by the Department of Biology
Professors Kirby, Maris (chairperson)
Associate Professors: Clifford, Hensley, Kagle, Stein

The Environmental Concentration is for students interested in environmental issues. Students receive a general overview of the field as well as practical skills. The concentration is designed to train scientists to look at environmental problems in an interdisciplinary way. Students will receive a solid base in the environmental field as well as related courses in the Arts and Sciences. Graduates can expect employment opportunities with state and federal agencies or in the private sector.

Concentration Outcomes

In addition to the core Student Learning Outcomes for the Biology program, students in the Environmental Biology Concentration are expected to be able to:

1. Discuss contemporary environment issues that cover local to global concerns.
2. Choose appropriate statistical test to analyze a given set of data.
3. Assess water quality using macro-invertebrate communities in a rapid bioassessment protocol.

Program Requirements:
Biology, Environmental Biology Concentration (B.S.):
120 s.h.

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 3290 - RESEARCH METHODS
- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- BI 3370 - CELL BIOLOGY
- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- GEG 1122 - ENVIRONMENTAL ISSUES
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Take one course from the following:

- BI 3310 - PHYSIOLOGY
- BI 3312 - VERTEBRATE ANATOMY
- BI 3314 - ICHTHYOLOGY
- BI 3315 - FISH PATHOLOGY
- BI 3316 - INVERTEBRATE ZOOLOGY
- BI 3317 - PARASITOLOGY
- BI 3318 - ORNITHOLOGY
- BI 3319 - AQUATIC ENTOMOLOGY

Take one course from the following:

- BI 3330 - PLANT PHYSIOLOGY
- BI 3331 - LOCAL FLORA
- BI 3333 - PLANTS AND PEOPLE
- BI 3358 - PLANT-ANIMAL INTERAC

Take one course from the following:

- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY
- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- BI 3378 - TISSUE CULTURE
- BI 3381 - ENVIRONMENTAL MICROBIOLOGY
- BI 4470 - MOLECULAR BIOLOGY

Biology Electives

- Take two Elective courses with a BI prefix

Take three courses from the following:

- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3332 - INSTRUMENTAL ANALYSIS
- GEG 3060 - PRINCIPLES OF SOIL SCIENCE
- GEG 3272 - GIS/GPS
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 4420 - (GEL) - REMOTE SENSING
- GEL 3310 - HYDROLOGY
- WSM 3500 - WATERSHED RESTORATION
- WSM 3512 - WETLAND IDENTIFICATION and MANAGEMENT

TOTAL CREDIT HOURS: 80 - 90

BIOLOGY FISHERIES CONCENTRATION

Offered by the Department of Biology
Professors Kirby, Maris (chairperson)
Associate Professors: Clifford, Hensley, Kagle, Stein

Mansfield University offers the only undergraduate Fisheries degree in Pennsylvania and the most complete undergraduate Fisheries program in the country. MU Fisheries interns and graduates have been placed across the United States, establishing Mansfield as a major center for Fisheries Education. Graduates are, therefore, very competitive for employment and graduate school opportunities. This B.S. degree program is housed within the Biology Department and provides extensive course work in the three major areas of Fisheries Science: Aquaculture, Fisheries Biology, and Fisheries Management. Unique features of the program include a summer internship, field courses, and a required research project. Cooperative education and research agreements with the U.S. Geological Survey and the Pennsylvania Fish and Boat Commission are integral components of the Fisheries Program at Mansfield University. Graduates of the program meet the requirements for certification as Associate Fisheries Scientists by the American Fisheries Society. With a year of Organic Chemistry, the Fisheries major will have a minor in Chemistry. The Chemistry minor, Genetics (BI 3372), and Biostatistics and Experimental Design (BI 3390) are highly recommended for Fisheries' graduates who plan to attend graduate school. Students wishing to receive American Fisheries Society certification must take a statistics course through advisement.

Concentration Outcomes

In addition to the core Student Learning Outcomes for the Biology program students in the Fisheries Concentration are expected to be able to:

1. Apply knowledge of fish culture and fish management.
2. Choose an appropriate statistical test to analyze a given set of data.
3. Identify local fishes.
4. Properly operate electroshocking equipment.

Program Requirements: Biology, Fisheries (B.S.): 120 s.h.

- BI 1110 - ZOOLOGY
- BI 1111 - FISH CULTURE I
- BI 1112 - FISH CULTURE II
- BI 1130 - BOTANY
- BI 3290 - RESEARCH METHODS
- BI 3314 - ICHTHYOLOGY
- BI 3315 - FISH PATHOLOGY
- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS
- BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY OR
- BI 3381 - ENVIRONMENTAL MICROBIOLOGY
- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- BI 4451 - PRACTICUM IN FISHERIES
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3332 - INSTRUMENTAL ANALYSIS
- MA 2231 - CALCULUS I
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

TOTAL CREDIT HOURS: 82 - 85

BIOLOGY MEDICAL TECHNOLOGY CONCENTRATION

Offered by the Department of Biology

Professors Kirby, Maris (chairperson)

**Associate Professors: Clifford, Hensley (Program Advisor/
Coordinator), Kagle, Stein**

**Medical Advisor Robert Packer Hospital School of Medical
Technology/Clinical Laboratory Sciences: Joseph T. King**
**Program Director Robert Packer Hospital School of
Medical Technology/Clinical Laboratory Sciences: Brian D.
Specialetti**

The Medical Technology program includes three years of academic study on campus and one year (50 weeks) of clinical study at an approved hospital school of Medical Technology. This program is designed to prepare students for a professional career in Clinical Laboratory Sciences and Biotechnology.

Medical technologists perform complex laboratory analysis that plays a crucial role in the diagnosis and treatment of disease. Courses at Mansfield range from General Education, Chemistry, Biology, and Physics to Mathematics. Clinical courses include Urinalysis, Hematology, Clinical Chemistry, Blood Banking, Immunology, Parasitology, Medical Bacteriology, and Mycology. The student must apply to a hospital school and be accepted by the hospital for the year of clinical study. Mansfield University has an affiliation with Robert Packer Hospital School of Medical Technology in Sayre, Pennsylvania. Brian Specialetti, M.S.Ed, MT (ASCP), program director and Joseph King, M.D., medical advisor, administer the Medical Technology Program at Robert Packer Hospital. Program graduates meet the requirements for certification by the American Society of Clinical Pathologists. Graduates of this program have professional employment opportunities in the following fields: hospital and private laboratories, pharmaceutical laboratories, research laboratories, biotechnology laboratories, veterinary clinics and forensic laboratories. Career growth is possible within the field and numerous graduate and professional school opportunities exist for students interested in furthering their education. If you choose not to do a clinical year or you are not accepted to a hospital school, you may complete a fourth year at Mansfield University and receive a B.S. in Biology.

Concentration Outcomes

In addition to the core student learning outcomes for the Biology program, students in the Medical Technology Concentration will apply knowledge in specific content areas and proficiency in laboratory skills required of a clinical laboratory professional (medical technologist). These specific content areas and laboratory skills include the following:

- Hematology and transfusion medicine
- Urinalysis and body fluids
- Clinical chemistry
- Medical bacteriology, mycology and parasitology

- Immunology
- Clinical laboratory management

Program Requirements: Medical Technology (B.S.): 120 s.h.

- BI 1110 - ZOOLOGY
- BI 3310 - PHYSIOLOGY
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3374 - IMMUNOLOGY
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I

Take one course from the following:

- BI 3317 - PARASITOLOGY
- BI 3372 - GENETICS
- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- CHM 3311 - QUANTITATIVE ANALYSIS

Clinical Education / off campus - 32 credits (3000 / 4000 level)

TOTAL CREDIT HOURS: 78-79

BUSINESS ADMINISTRATION BACHELOR OF SCIENCE

Offered by the Department of Business and Economics

Professors Carpenter, Kutty, Solan

Associate Professors Dugan (Chair), Gaballa, Ghods, Wang
Assistant Professor Havalchak, Smith

The Business Administration major: The B.S. degree in Business Administration provides students with experiences critical to success in our fast-paced, global environment. As the amount of information available continues to accelerate, it is the leadership skills learned at Mansfield that will provide our business graduates with the compass to navigate this complex environment. Leadership skills are buoyed by key employer-requested skills, including written and oral communication, quantitative and information literacy, teamwork, problem solving, and ethical responsibility. This valuable skill set is embedded into the program's business education and reinforced in the student's elective business coursework. The elective courses serve the purpose of strengthening student knowledge in critical fields including finance, computer information systems and technology, global business, economics, management, marketing, and accounting.

The business major allows students maximum flexibility to design an individualized program of study tailored to each student's individual interests and aspirations. Students can focus in one or two content areas such as finance, economics, international business, management, marketing, or accounting. Alternately, students can choose a broad undergraduate business background and select courses from a blend of areas. There is flexibility built into the design of the program to permit internships, practicum work experiences, and minor studies. There is room to meet the individual needs and interests of students in the course work they select.

The program is designed to accentuate faculty talent and focus faculty efforts in a manner that maximizes resources to best serve our student population.

Our Mission

The Department of Business and Economics at Mansfield University prepares students for professional careers in business, government, not-for-profit organizations, and public accounting.

Our curriculum is characterized by:

- a strong foundation in the liberal arts, which strengthens writing, speaking, and analytical skills;
- an emphasis on entry-level business knowledge;
- an environment that fosters the development of problem solving and decision making skills;
- an emphasis on using computer technology as a tool for communication, analysis, and problem solving;
- an atmosphere that encourages ethical and social responsibility

Our Vision

To achieve a business-focused learning environment that nurtures leadership potential in an academically rigorous, mutually responsible learning process, enhanced by interdisciplinary scholarship and community engagement. As a faculty we strive to be seen by the by the University, the local community, students, and employers as community leaders, intellectual contributors to our disciplines, and providers of an outstanding educational experience.

Program Outcomes

A student completing the BSBA program at Mansfield University will:

- Demonstrate effective written communication skills.
- Identify and analyze ethical considerations related to business decisions and the social responsibility of business decisions including environmental, global and legal issues.
- Apply business methods to solving problems and making decisions.
- Demonstrate discipline specific skills.

- Analyze and apply qualitative and quantitative data.
- Demonstrate the use of computers and computer applications in making business decisions.

Policies and Procedures

As academic advisors, the business faculty assist students with coursework selection. Students can select their academic advisor.

There are five minors developed within the business program: Accounting, General Business, Economics and Finance, Management, and Marketing. The program's minors are designed for students who do not major in Business Administration. Students with a major in Business Administration cannot also minor in any business program minor. Students with a minor should have an advisor from the host department.

Student internships and work experiences provide a way to gain valuable work experience that can lead to greater job opportunities. Students can obtain information about internships from their academic advisor.

Business and Economics Department graduates meet all the prerequisite requirements for Clarion University's Master of Business Administration (MBA) program. Students will still need to take GMAT and meet all other admission requirements.

Program Requirements:

Business Administration (B.S.): 120 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 2249 - BUSINESS DATA ANALYSIS I
- A grade of C- or better in BUS 2249 is required to progress to BUS 3349
- BUS 3349 - BUSINESS DATA ANALYSIS II
- BUS 3350 - OPERATIONS MANAGEMENT
- BUS 4410 - BUSINESS LAW I
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS

Take one course from the following:

- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

- FIN 3380 - MANAGERIAL FINANCE

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

Take one course from the following:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Major Related Electives

Take 18 credits of Upper Division (3000 or 4000 level) courses from the following prefixes:

- ACC
- BUS
- ECO
- FIN
- MGT
- MKT
- TRT
- or, PSY 3315 and PSY 3316

TOTAL CREDIT HOURS: 72 - 73

BUSINESS ADMINISTRATION

ACCOUNTING CONCENTRATION

Offered by the Department of Business and Economics
Professors Carpenter, Kutty, Solan
Associate Professors Dugan (Chair), Gaballa, Ghods, Wang
Assistant Professor Havalchak, Smith

Business Administration, The Accounting Concentration

The accounting concentration develops an understanding of underlying principles of accounting and their applications to business. In conjunction with a strong business and general education background, students concentrating in accounting are positioned to pursue successful careers in industry, government, and not-for-profit organizations. Student internships and work experiences provide a way to gain valuable work experience that can lead to greater job opportunities.

Students planning to take the CPA exam need to be aware of the educational requirements of the state in which they intend

to practice. In Pennsylvania, candidates may sit for the CPA Exam after graduation and completion of 120 hours of education, including 24 credits in accounting subjects. Candidates are required to obtain 150 credit hours of education, including 36 hours in accounting subjects, before a license is granted. Source: PICPA, CPA Exam in Pennsylvania ©2008.

Students interested in the CPA exam should consult their accountancy adviser.

Students are encouraged to participate in the volunteer tax preparation program directed by faculty and administered through the Internal Revenue Service and AARP.

Accounting Concentration Outcomes

Graduates of the Accounting concentration shall:

- Identify and analyze ethical considerations related to accounting decisions and the social responsibility of accountants' decisions including environmental, global and legal issues.
- Apply financial analysis to solve problems and make decisions.
- Discuss and analyze financial statements of corporations.

Program Requirements:

Business Administration: Accounting (B.S.): 120 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 2249 - BUSINESS DATA ANALYSIS I
A grade of C- or better in BUS 2249 is required to progress to BUS 3349
- BUS 3349 - BUSINESS DATA ANALYSIS II
- BUS 3350 - OPERATIONS MANAGEMENT
- BUS 4410 - BUSINESS LAW I
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS

Take one course from the following:

- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

- ECO 331 I - MONEY AND BANKING
- FIN 3380 - MANAGERIAL FINANCE

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

Take one course from the following:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Accounting Courses

Required:

- ACC 3310 - INTERMEDIATE ACCOUNTING I
- ACC 3311 - INTERMEDIATE ACCOUNTING II
- ACC 3320 - ADVANCED ACCOUNTING I
- ACC 3350 - COST ACCOUNTING I
- ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING
- ACC 4400 - AUDITING

Take two courses from the following: (6 credits)

- ACC 3314 - AUTOMATED ACCOUNTING SYSTEMS
- ACC 3370 - FRAUD EXAMINATION
- ACC 3380 - TOPICAL SEMINAR
- ACC 3450 - ACCOUNTING PRACTICUM (maximum 3 credits)
- ACC 4450 - ACCOUNTING INTERNSHIP (maximum 3 credits)
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT

TOTAL CREDIT HOURS: 81 - 82

CHEMISTRY EDUCATION BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of Chemistry and Physics

Professors Ramasamy (chairperson) Davis

Associate Professors Ambrosio, Carson, Chester, Ganong

Assistant Professors Kiessling

Instructor Tandon

The Department of Chemistry and Physics offers four concentrations that lead to the B.S. degree with a major in chemistry and one program of study that provides an ACS-certified baccalaureate degree. A B.S. degree in chemistry education is also offered. Minors in Chemistry and Forensic Science are available as further options.

The Department of Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting its nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS, the largest scientific society in the world.

Mission, Vision, and Values

The Chemistry Program at Mansfield University plays a major role in providing general education support. CHM 1101 (Introductory Chemistry), CHM 1110 (Survey of General, Organic and Biological Chemistry), and CHM 1111 (General Chemistry I) can be taken by Mansfield University students to fulfill the natural sciences laboratory-course based general education requirement, a critical component of the general education program at Mansfield University.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry Faculty at Mansfield University subscribe to the following:

Scholarship

The Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.
- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.
- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

This B.S.Ed. degree leads to certification as a qualified chemistry teacher in secondary schools. In addition, the student receives a sufficiently extensive background to continue on to graduate school for further studies in chemistry. A student who completes the program will graduate with a provisional certificate to teach in the Commonwealth of Pennsylvania. The current demand for high school chemistry teachers, both nationwide and in Pennsylvania, is high and the future looks bright for qualified people. In addition the B.S.Ed. is the traditional entry-level degree for school administrative positions such as school counselors, principals, superintendents, and other educational specialists. Education and chemistry faculties are involved in advising students in this program. (See The Teacher Education Certification Section in the University Policies section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements).

Program Requirements:

Chemistry Education (B.S.Ed.): 129 s.h.

- BI 3370 - CELL BIOLOGY
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II

- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- ED 1105 - EDUCATION FIRST YEAR SEMINAR: BECOMING A PROFESSIONAL
- ED 2205 - EDUCATIONAL PSYCHOLOGY

Take one course from the following:

- MA 1125 - INTRODUCTORY STATISTICS
- MA 2232 - CALCULUS II
- MA 2231 - CALCULUS I

Take one course from the following:

- PHY 1191 - PHYSICS I
- PHY 2210 - GENERAL PHYSICS I

Take one course from the following:

- PHY 1192 - PHYSICS II
- PHY 2211 - GENERAL PHYSICS II
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Take one course from the following:

- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3321 - ADOLESCENT PSYCHOLOGY

Chemistry Electives

Take two courses from the following:

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY
- CHM 4432 - STRUCTURAL CHEMISTRY

Professional Education

- ED 1110 - FOUNDATIONS OF EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY

- ED 4400 - STUDENT TEACHING
- ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

Total Credit Hours: 100 - 103

CHEMISTRY BACHELOR OF SCIENCE

Offered by the Department of Chemistry and Physics
Professors Ramasamy (chairperson), Davis
Associate Professors Ambrosio, Carson, Chester, Ganong
Assistant Professors Kiessling
Instructor Tandon

The Department of Chemistry and Physics offers four concentrations that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-recognized baccalaureate degree. A baccalaureate degree in chemistry education is also offered. Minors in Chemistry and Forensic Science are available as further options.

The Department of Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting its nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS.

Mission, Vision, and Values

The Chemistry Program at Mansfield University plays a major role in providing general education support. CHM 1101 (Introductory Chemistry), CHM 1110 (Survey of General, Organic and Biological Chemistry), and CHM 1111 (General Chemistry I) can be taken to fulfill the natural sciences laboratory-course general education requirement, a critical component of the general education program at Mansfield University.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry faculty at Mansfield University subscribes to the following:

Scholarship

The Mansfield University Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.
- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.
- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

Cooperative Education is an opportunity available to junior and senior chemistry majors who are enrolled in any of the B.S. or B.S.Ed. degrees. Students participating in Cooperative Education gain valuable career experience, a salary, and up to a maximum of 9 credits toward graduation. To fulfill the requirements of this program, the student usually spends one semester plus one summer on location with a participating industry.

Program Requirements: Chemistry (B.S.): 120 s.h.

All students with a concentration in Chemistry, Biochemistry, Nanotechnology, or Forensic Science must take the following core classes: (For the ACS-certified B.S. degree students are required to take CHM 3341 and 2-3 credits of research. Please talk to a faculty advisor for more information about the ACS-certified B.S. degree)

Core

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II

- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- MA Elective (1125 or higher)
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Concentrations:

BIOCHEMISTRY CONCENTRATION

- BI 3370 - CELL BIOLOGY
- CHM 3341 - BIOCHEMISTRY

Take two courses from the following:

- BI 3310 - PHYSIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY

Take one course from the following:

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

Take one course from the following:

- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY

CHEMISTRY CONCENTRATION

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY
- MA 2233 - CALCULUS III

Take two courses from the following:

- CHM 3341 - BIOCHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4432 - STRUCTURAL CHEMISTRY

FORENSIC SCIENCE CONCENTRATION

- CHM 3264 - CHEM MTDS FOREN SCI
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- MA 2233 - CALCULUS III
- PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE
- SCI 1104 - FORENSIC SCIENCE

Take one course from the following:

- CJA 3262 - INVESTIGATION AND INTERROGATION
- CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE

Take two courses from the following:

- BI 3370 - CELL BIOLOGY
- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

NANOTECHNOLOGY CONCENTRATION

- SCI 3270 - NANOTECH LAB EXPERIENCE

Take one course from the following:

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

TOTAL CREDIT HOURS: 70-76

COMPUTER & INFORMATION SCIENCE BACHELOR OF SCIENCE

Offered by the Department of Mathematics and Computer Information Science

**Professors H. Iseri (Interim Chairperson), Lienhard
Associate Professors D'Ortona, Haner, Junius, Phillips,
Savoye**

Assistant Professors L. Iseri, Sim

The Department of Mathematics and Computer & Information Science offers a baccalaureate degree with two concentrations, one in Computer Science and the other in Information Systems. Students may elect to complete either concentration, and have the option of completing both. Students completing the concentration in Information Systems often choose to do a minor or second major in Business Administration. These dual majors and major/minor strategies can be valuable assets when entering the job market.

Computer & Information Science Mission

The mission of Computer & Information Science (CIS) is to provide an outstanding education to its students in accordance with the principles of the Mansfield University mission, to advance scholarship in key domains of the computing and information sciences, and to engage in activities that improve the welfare of society and enhance the reputation of Mansfield University. CIS aims to maintain an environment that promotes innovative thinking, values mutual respect and diversity, encourages and supports scholarship, instills ethical behavior, and stimulates life-long learning.

Vision Statement

The vision of CIS is to become a recognized regional leader offering high-quality undergraduate programs in computing and information sciences to a large number of talented students at affordable tuition rates.

Core Values

The core values guiding CIS include the following:

- Commitment to high-quality undergraduate education and student success.
- Continuous program improvement through assessment of program educational objectives and student outcomes.
- Development of new initiatives and programs with changes in technology and global interdependence.
- Professional development of faculty members and scholarly contributions to the discipline, often with student participation.
- Seamless transfer of students through articulation

agreements with 2-year community colleges.

- Building ties to K-12 groups, community colleges, and local industry.
- Participation in shared governance of departmental affairs.
- Service to the department, University, community, and discipline.

Computer Science Minor

The Computer Science minor provides a strong background in computation and programming for students majoring in a technical, scientific, or mathematical area. See also General Computing Minor and Information Systems minor.

Information Systems Minor

The Information Systems minor provides a strong background in office applications software and systems analysis for students majoring in business-related fields of study. See also Computer Science Minor and General Computing Minor.

General Computing Minor

The General Computing minor provides a solid background in computing that is custom-tailored to the student's field of study. This minor is primarily intended for students in majors other than business, mathematics, and the sciences. See also Computer Science Minor and Information Systems Minor.

The following two concentrations are available in the B.S.,
Computer & Information Science Program:

COMPUTER & INFORMATION SCIENCE

COMPUTER SCIENCE CONCENTRATION

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim Chairperson), Lienhard
Associate Professors D'Ortona, Haner, Junius, Phillips,
Savoye
Assistant Professors L. Iseri, Sim

The Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

Goals and Outcomes

Listed below are the Goals (Program Educational Objectives) and related Student Learning Outcomes (Program Outcomes) for the program leading to the B.S., Computer & Information Science degree with the Computer Science concentration.

1. To provide graduate with a thorough comprehension of the key principles of computing and the application of those principles.

Related Program Outcomes

- 1-1. Students will demonstrate understanding and apply knowledge of computer organization and architecture.
- 1-2. Students will demonstrate proficiency in programming using a high-level language.
- 1-3. Students will demonstrate understanding of data structures and algorithms.
- 1-4. Students will demonstrate knowledge of several programming language paradigms.
- 1-5. Students will demonstrate understanding of foundational programming language concepts.
- 1-6. Students will demonstrate an awareness of the dynamic nature of the foundational core of computer science and recognize the need for continuing professional development.
- 1-7. Students will apply principles and practices for software development, including problem analysis, software design, and development using current industry-standard programming languages and tools.
- 1-8. Students will employ these principles in solving both simple and complex computing problems.

2. To provide graduates with an appropriate augmenting framework of applicable knowledge and skills from the mathematical, scientific, and communication disciplines.

Related Program Outcomes

- 2-1. Students will understand and apply the concepts of statistics, discrete mathematics, and continuous mathematics.
- 2-2. Students will understand and apply the scientific method.
- 2-3. Students will demonstrate an ability to communicate effectively, both orally and in written form, with a range of audiences.
- 2-4. Students will function effectively on teams in order to complete computing projects.
- 2-5. Students will demonstrate the ability to manage a significant project.

3. To develop the total person, one with intellectual curiosity, mature judgment, and a commitment to the betterment of society.

Related Program Outcomes

- 3-1. Students will demonstrate familiarity with basic ideas and contemporary issues in the social sciences and humanities.
- 3-2. Students will demonstrate knowledge of the social impact of computing.
- 3-3. Students will demonstrate knowledge of ethical issues emerging out of computing.
4. To prepare students for a successful career in computing and related fields.

Related Program Outcomes

- 4-1. Students will be prepared for self-directed continuing professional development in the computing field.
- 4-2. Students will demonstrate the knowledge and capabilities necessary for pursuing a professional career in computing and related fields

Program Requirements:

Computer & Information Science, Computer Science Concentration (B.S.): 120 s.h

Choose a two course 8 credit lab science sequence

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- OR
- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- OR
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- OR
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II
- OR
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Take five (5) credits of additional Mathematics or Science courses

- CIS 1000 - ORIENTATION TO CIS
- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I
- CIS 3300 - PROGRAMMING LANGUAGES
- CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
- CIS 3311 - SOFTWARE ENGINEERING
- CIS 3315 - DATA STRUCTURES
- CIS 3325 - OPERATING SYSTEMS
- CIS 3330 - COMPUTER ORGANIZATION
- CIS 3340 - DATABASE SYSTEMS
- CIS 3350 - ANALYSIS OF ALGORITHMS
- CIS 3390 - NETWORKING I
- CIS 4400 - CIS SENIOR SEMINAR
- CIS 4490 - NETWORKING II
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 3260 - DISCRETE STRUCTURES
- MA 3310 - NUMERICAL ANALYSIS

- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Major Related Electives

- Take nine (9) credits of Upper Division (3000 or 4000 level) courses from the CIS prefix

Total Credit Hours: 79

COMPUTER & INFORMATION SCIENCE INFORMATION SYSTEMS CONCENTRATION

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim chairperson), Lienhard Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye

Assistant Professors L. Iseri, Sim

The B.S. Information Systems Concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.

Listed below are the Goals (Program Educational Objectives) and related Student Learning Outcomes (Program Outcomes) for the program leading to the B.S. degree in Computer and Information Science, Information Systems Concentration.

1. To provide graduate with a thorough comprehension of the key principles of information systems and the application of those principles.

Related Program Outcomes

- 1-1. Students will demonstrate understanding and apply knowledge of computer organization and architecture.
- 1-2. Students will demonstrate proficiency in programming using a high-level language.
- 1-3. Students will demonstrate understanding of data structures.
- 1-4. Students will demonstrate understanding of the process that support the delivery and management of information systems.
- 1-5. Students will demonstrate understanding of networking and data communications.
- 1-6. Students will demonstrate an awareness of the dynamic nature of the information systems field and recognize the need for continuing professional development.
- 1-7. Students will apply principles and practices for systems analysis and design to a major project.
- 1-8. Students will employ these principles in solving both simple and complex computing problems.

2. To provide graduates with an appropriate augmenting framework of applicable knowledge and skills from the mathematical, business, and communication disciplines.

Related Program Outcomes

- 2-1. Students will understand and apply the concepts of statistics, discrete mathematics, and continuous mathematics.
- 2-2. Students will demonstrate familiarity with and apply fundamental business and accounting principles.
- 2-3. Students will demonstrate an ability to communicate effectively, both orally and in written form, with a range of audiences.
- 2-4. Students will function effectively on teams to complete computing projects.
- 2-5. Students will demonstrate the ability to manage a significant project.

3. To develop the total person, one with intellectual curiosity, mature judgment, and a commitment to the betterment of society.

Related Program Outcomes

- 3-1. Students will demonstrate familiarity with basic ideas and contemporary issues in the social sciences and humanities.
- 3-2. Students will demonstrate knowledge of the social impact of computing.
- 3-3. Students will demonstrate knowledge of ethical issues emerging out of computing.

4. To prepare students for a successful career in information systems and related fields.

Related Program Outcomes

- 4-1. Students will be prepared for self-directed continuing professional development in the information systems field.
- 4-2. Students will demonstrate the knowledge and capabilities necessary for pursuing a professional career in information systems and related fields.

Program Requirements:

Computer & Information Science, Information Systems Concentration (B.S.): 120

Take one course from the following:

- MA 1125 - INTRODUCTORY STATISTICS
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Take one course from the following:

- MA 1129 - FINITE MATHEMATICS
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

Take one course from the following:

- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

Take one Upper Division Accounting course OR

- MKT 3330 - MARKETING

Take one course from the following:

- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- MGT 2230 - MANAGEMENT PRINCIPLES
- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- CIS 1000 - ORIENTATION TO CIS
- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I
- CIS 3303 - WEB SITE DESIGN
- CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 3310 - SYSTEMS ANALYSIS
- CIS 3315 - DATA STRUCTURES
- CIS 3330 - COMPUTER ORGANIZATION
- CIS 3340 - DATABASE SYSTEMS
- CIS 3390 - NETWORKING I
- CIS 4309 - E-COMMERCE SYSTEMS
- CIS 4400 - CIS SENIOR SEMINAR
- CIS 4410 - MIS SEMINAR

Take one course from the following:

- BUS 3350 - OPERATIONS MANAGEMENT
- CIS 3308 - OPERATIONS RESEARCH

Major Related Electives

- Take three (3) credits of Upper Division (3000 or 4000 level courses from the CIS prefix

TOTAL CREDIT HOURS: 67-68

COMPUTER INFORMATION SYSTEMS ASSOCIATE OF SCIENCE

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim Chairperson), Lienhard
Associate Professors D'Ortona, Haner, Junius, Phillips,
Savoye
Assistant Professors L. Iseri, Sim

AS Computer & Information Science, Computer Information Technology

The A.S. Computer Information Technology program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

Listed below are the Goals (Program Educational Objectives) and related Student Learning Outcomes (Program Outcomes) for the program leading to the A.S. degree in Computer Information Technology.

1. To provide graduates with a thorough introduction to the key principles of the information systems and the application of those principles.

Related Program Outcomes

- 1-1. Students will demonstrate proficiency in programming using a high-level language.
- 1-2. Students will demonstrate understanding of data structures.
- 1-3. Students will demonstrate an awareness of the dynamic nature of the information systems field and recognize the need for continuing professional development.

2. To provide graduates with an appropriate augmenting framework of applicable knowledge and skills from the business, mathematical, and communication disciplines.

Related Program Outcomes

- 2-1. Students will understand and apply the concepts of introductory statistics.
- 2-2. Students will demonstrate familiarity with and apply fundamental business and accounting principles.
- 2-3. Students will demonstrate an ability to communicate effectively, both orally and in written form, with a range of audiences.

3. To develop the total person, one with intellectual curiosity, mature judgment, and a commitment to the betterment of society.

Related Program Outcomes

- 3-1. Students will demonstrate familiarity with basic ideas and contemporary issues in the social sciences and humanities.
- 3-2. Students will demonstrate knowledge of the social impact of computing.
- 3-3. Students will demonstrate knowledge of ethical issues emerging out of computing.

4. To prepare students for successful transfer to four-year programs in Information Systems and entry-level employment in computer technology-related positions.

Related Program Outcomes

- 4-1. Students will be prepared for continued undergraduate study in information systems.
- 4-2. Students will demonstrate the knowledge and capabilities necessary for pursuing a computing-related entry-level position.

Program Requirements:

Computer Information Systems (A.S.): 60 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II

Take one course from the following:

- CIS 1102 - VISUAL BASIC PROGRAMMING
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE
- CIS 1000 - ORIENTATION TO CIS
- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3303 - WEB SITE DESIGN
- CIS 3315 - DATA STRUCTURES

Take one course from the following:

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- MA 1125 - INTRODUCTORY STATISTICS
- MGT 2230 - MANAGEMENT PRINCIPLES

Take one course from the following:

- PHL 2200 - CRITICAL THINKING
- PHL 3230 - FORMAL LOGIC

Computer Information Systems Electives

- Take 3 credits of Upper Division (3000 or 4000 level) courses from the CIS prefix

TOTAL CREDIT HOURS: 39

CRIMINAL JUSTICE ADMINISTRATION ASSOCIATE OF SCIENCE

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell, Ryan

Associate Professors Madigan, Mansfield (Chairperson),

Purk, Thornsley

Assistant Professors Battin, Clark, Daly, Murphy

In addition to the B.S. in Criminal Justice Administration, the CJA Program offers the Associate of Science degree in Criminal Justice Administration. Our A.S. majors take the same classes, as our B.S. students. They are eligible to join the same criminal justice organizations and national honor society, take the same tours, and attend the same special presentations. Many of our two-year students develop the academic skills and perseverance to transfer to our baccalaureate program and graduate with no loss of credits.

Program Requirements:

Criminal Justice Administration (A.S.): 61 s.h.

- Take one course from the PSC prefix (3 credits)
- Take one course from the PSY prefix (3 credits)
- Take one course from the SOC prefix (3 credits)
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS
-

Criminal Justice Administration Electives

- Take 12 credits from the CJA prefix

TOTAL CREDIT HOURS: 30

CRIMINAL JUSTICE ADMINISTRATION BACHELOR OF SCIENCE

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell, Ryan

Associate Professors Madigan, Mansfield (Chairperson),

Purk, Thornsley

Assistant Professors Battin, Clark, Daly, Murphy

The Criminal Justice Administration Program (CJA) offers the B.S. and A.S degrees in Criminal Justice Administration. A minor in criminal justice is also available. The study of criminal justice administration at Mansfield University provides a systems-based understanding of all the core areas of criminal justice – law enforcement, courts, corrections (including probation and parole), juvenile justice, and criminology.

There are several opportunities for students to become engaged in career interests during their undergraduate education, allowing students to decide what opportunities they want to explore and pursue. Students may join any or all of the following student organizations: (1) Lambda Alpha Epsilon, the American Criminal Justice Association, (2) Alpha Phi Sigma, the National Criminal Justice Honor Society (a member of the Association of College Honor Societies and recognized by the Academy of Criminal Justice Sciences) and (3) the Criminal Justice Club. Our graduates are currently working at the local, state, federal and private levels in virtually every field in criminal justice.

Mission

The Mission of Criminal Justice Administration is to provide our majors and minors with a quality undergraduate liberal arts education in the academic discipline of criminal justice and criminology that will prepare them for immediate entry into either a professional career or a graduate education in criminal justice.

The program encourages extra-curricular activities that provide opportunities for students to develop leadership skills. Such activities will be found in national clubs and organizations, special events within the program, and by disseminating opportunities to volunteer within the immediate community. The program is committed to promoting affirmative action and equal opportunity among our students and faculty alike. The CJA program pledges to continually strive to review and update our curriculum so that it reflects what is required in the workplace and in the graduate classroom.

Vision

The vision of Criminal Justice Administration is to prepare our students for both the work-place and graduate school. Our curriculum was developed so that the course offerings are current, engaging, and pertinent to careers in the field. Our courses will be rotated so that students are offered a wide variety of courses

during a normal four year period. We encourage our criminal justice student organizations to become involved at the regional and national level, and take an active role in their education.

Program Outcomes

A student completing the BS or AS degree in Criminal Justice Administration will be able to:

- Demonstrate critical thinking abilities in the American criminal justice system and exhibit an adequate level of knowledge of all fields in criminal justice, while articulating the roles of these essential institutions.
- Demonstrate the ability to present arguments for or against current issues facing the American criminal justice system.
- Display an understanding of how criminal justice agencies are influenced by the external environment, including the media, legislature, and the executive offices of government.
- Exhibit an understanding of how criminal justice agencies have evolved within the United States.
- Demonstrate how special topics (i.e., terrorism, industrial security, organized crime, violent crime, etc.) impact the criminal justice system.

Program Requirements:

Criminal Justice Administration (B.S.): 120 s.h.

Take one course from the PSC prefix (3 credits)

- Take one course from the PSY prefix (3 credits)
- Take one course from the SOC prefix (3 credits)
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS
- CJA 3276 - CRIMINOLOGY
- CJA 3324 - JUDICIAL CRIMINAL PROCESS

Take one course from the following:

- CJA 3354 - CRIMINAL LAW
- CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE
- CJA 3395 - DELINQUENCY AND THE JUVENILE JUSTICE SYSTEM
- CJA 4490 - SENIOR SEMINAR

Criminal Justice Administration Electives

- Take 21 credits from the CJA prefix

TOTAL CREDIT HOURS: 54

EARTH AND SPACE SCIENCE EDUCATION BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Assistant Professors Demchak, Kopf

Instructors Benner, Dillon, Dom, Guignard, Wilson

The Earth and Space Science Education Program at Mansfield University is for students who enjoy science and plan to seek teacher certification. Most of our graduates are now teaching earth science and/or general science middle and high school students in Pennsylvania and New York schools. Students in this program take courses in the sciences and education and also spend one semester student teaching in two different public schools.

Diligent study and good grades are essential for successful completion of this program. To enter and stay in the program you must earn and hold a 3.0 grade point average for all courses taken at Mansfield. Then to earn teacher certification you must pass the national Praxis 1 (general knowledge) and Praxis 2 (Earth Science knowledge) exams that will confirm your preparation for earth science teaching.

Many of our students earn a second certification in general science. We encourage all students to consider this second certification as it increases employment opportunities and can be obtained with minimal additional course work.

See The Teacher Education Certification Section in the University Policies section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

Outcomes

Students who successfully complete the Earth/Space Science program will be able to:

- demonstrate professional knowledge and skills on Praxis I and II examinations and in field placements.
- explain the dynamics of and interactions between the four basic components of the Earth's physical system: atmosphere, lithosphere, biosphere and hydrosphere.
- explain the impact of human actions on the environment at local, regional and global scales.
- support and maintain positive classroom environments that are conducive to student learning.
- plan and prepare effective instruction that leads to student learning.
- use available technology effectively to enhance teaching and learning.

Mission Statement

We are here to teach. Excellence in education is a priority for us. We pledge to provide a substantive, up-to-date curriculum for each of our programs. And we will ensure that our students graduate with practical, applied skills that supplement their more general knowledge base.

We are here to learn. Geography and geology are dynamic disciplines whose insights and techniques are continually changing. It is incumbent upon us to grow with our discipline.

We are here to serve. We serve students by providing a broad range of general education classes. We serve our majors by providing guidance and interaction in a supportive atmosphere. We serve the University by membership on committees and by advising student organizations. And we serve the community by providing input to local organizations and government agencies.

Program Requirements:

Earth and Space Science Education (B.S.Ed.): 127 s.h.

Take one course from the following:

- AST 1105 - THE EXPLORATION OF THE SOLAR SYSTEM
- AST 1106 - ONE POSSIBLE UNIVERSE
- BSC 1101 - GENERAL BIOLOGY
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- ED 1105 - EDUCATION FIRST YEAR SEMINAR: BECOMING A PROFESSIONAL
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3312 - WEATHER AND CLIMATE
- GEL 1102 - ENVIRONMENTAL GEOLOGY
- GEL 1121 - PHYSICAL GEOLOGY
- GEL 3322 - HISTORICAL GEOLOGY
- GEL 3362 - MINERALOGY/PETROLOGY
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II

Take two courses from the following:

- BI 3354 - MARINE BIOLOGY
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY
- GEG 4420 - (GEL) - REMOTE SENSING
- GEL 3310 - HYDROLOGY

Professional Education

- ED 1110 - FOUNDATIONS OF EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

TOTAL CREDIT HOURS: 94 - 95

ELEMENTARY EDUCATION BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of Education and Special Education

Professors Benjamin, Cleland, Straub
Associate Professors Carico (chairperson), Floyd, Hammann, Lucero, Smith, Werner-Burke
Assistant Professors Gambill, Moore, Ribble

The Department of Education and Special Education offers a Bachelor of Science in Education degree in Elementary Education with the following two concentrations: Early Childhood and Elementary Education and Early Childhood and Elementary Education with Second Certification in Special Education.

The Elementary Education program provides a foundation in child development and learning, extensive preparation in content subject matter and teaching methodology, and uses of observation and student assessment to guide instructional decision-making. Additional emphases include establishing cooperative relationships with families and communities and developing the important knowledge, skills, and dispositions that are required of early childhood and elementary education professionals. The curriculum prepares graduates to meet the learning needs of all students and to be successful in diverse modern classrooms. Students also learn to adapt and plan instruction that is based on developmentally appropriate practices and to make effective uses of technology to aid teaching and learning.

Both concentrations are nationally recognized by the Association for Childhood Education International (ACEI), 17904 Georgia Ave., Suite 215, Olney, MD 20832, (301) 570-2111 or (800) 423-3563, <http://acei.org/>. and the National Association for the Education of Young Children (NAEYC), 1313 L St., NW, Suite 500, Washington, DC 20005, (202) 232-8777 or (800) 424-2460, <http://www.naeyc.org/>. The Early Childhood and Elementary Education with Second Certification Special Education also is nationally recognized by the Council for Exceptional Children (CEC), 2900 Crystal Dr., Suite 1000, Arlington, VA 22202-3557, (888) 232-7733, <http://www.cec.sped.org>. All are nationally recognized at the Initial Teacher Preparation Level (ITPL).

Mission

The mission of the Bachelor of Science in Education degree in Elementary Education is to prepare beginning teachers who will enter their classrooms with passion and vitality, equipped with knowledge, skills, and dispositions that will impact student achievement positively and with the ability to make sound decision that will enhance their students' well-being and enrich their own lives.

Vision

Our vision is that graduates of Mansfield University with an Elementary Education degree will recognize that initial certification provides the credentials and experience to begin teaching and that they will continue to seek opportunities for professional growth: content expertise; knowledge of children's a growing awareness of global influences and opportunities, and a commitment to keeping their teaching dynamic, passionate, and effective.

The Early Childhood and Elementary Education Concentration features school experiences throughout all four years and in a wide variety of classroom settings, culminating in student teaching. Students also complete an extended pre-student teaching school experience. Graduates of the concentration may pursue teaching or director positions in early childhood preschools and teaching positions in elementary schools from preschool through grade four.

The Early Childhood and Elementary Education with Second Certification in Special Education Concentration prepares students to work with children with exceptional needs. The concentration features all of the courses and experiences of the Early Childhood and Elementary Education Concentration but requires an additional 15 credits of coursework in Special Education and additional field experiences focusing on the special education. Graduates of the concentration may pursue teaching or director positions in early childhood preschools and teaching positions in elementary schools from preschool through grade four, and they are eligible to teach and provide learning support for children with exceptional needs.

The following two concentrations are available in the B.S.Ed., Elementary Education:

EARLY CHILDHOOD AND ELEMENTARY EDUCATION CONCENTRATION

The Early Childhood and Elementary Education Concentration features school experiences throughout all four years and in a wide variety of classroom settings, culminating in student teaching. Students also complete an extended pre-student teaching school experience. Graduates of the concentration may pursue teaching or director positions in early childhood preschools and teaching positions in elementary schools from preschool through grade four.

Program Requirements:

Early Childhood and Elementary Education (B.S.Ed.): 120 s.h.

To fulfill requirements for Early Childhood/Elementary Education B.S.Ed., the following courses must be taken from the General Education offerings:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- English Literature (3 credit hours)
- Foreign Language (six credit hours). Students are required to take two consecutive foreign language courses of the same language. The second course must be at a higher level.
- Mathematics (3 credit hours)
- See also the catalog section entitled "University Policies" for Chapter 354 Gate requirements.

Pre-Gate One

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2260 - ASSESSMENT IN EDUCATION
- ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS
- ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS
- ELE 2800 - EARLY CHILDHOOD INTEGRATED CURRICULUM and METHODS
- MATHEMATICS (3 credit hours)
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS

After Gate One Eligibility Met

- ELE 3383 - LITERACY METHODS I: PRE-K-I
- ELE 3386 - SOC STUDIES METHODS
- ELE 3387 - SCIENCE METHODS
- ELE 3388 - MATHEMATICS METHODS I: GRADES PRE K-I
- ELE 3395 - INTEGRATING ARTS
- ELE 4403 - (W)LANGUAGE ARTS METHODS FOR THE DEVELOPING CHILD
- ELE 4426 - MATHEMATICS METHODS II: GRADES 2-4
- ELE 4435 - LITERACY METHODS II
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

Extended Field Experience Courses

- ELE 3400 - SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL
- ELE 4400 - STUDENT TEACHING
- ELE 4400L - (W)SENIOR LAB: BECOMING A PROFESSIONAL

TOTAL CREDIT HOURS: 75

EARLY CHILDHOOD AND ELEMENTARY EDUCATION WITH SECOND CERTIFICATION IN SPECIAL EDUCATION CONCENTRATION

The Early Childhood and Elementary Education with Second Certification in Special Education Concentration prepares students to work with children with exceptional needs. The concentration features all of the courses and experiences of the Early Childhood and Elementary Education Concentration but requires an additional 15 credits of coursework in Special Education and additional field experiences focusing on the special education. Graduates of the concentration may pursue teaching or director positions in early childhood preschools and teaching positions in elementary schools from preschool through grade four, and they are eligible to teach and provide learning support for children with exceptional needs.

Program Requirements:

Early Childhood and Elementary Education (B.S.Ed.): 120 s.h. (with Added Certification in Special Education)

To fulfill requirements for the Early Childhood/Elementary Education B.S.Ed., the following courses must be taken from the General Education offerings:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- English Literature (3 credit hours)
- Foreign Language (6 credit hours): Students are required to take two consecutive foreign language courses of the same language. The second course must be at a higher level.
- Mathematics (3 credit hours)

See also the catalog section entitled "University Policies" for Chapter 354 Gate requirements.

Pre-Gate One

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2260 - ASSESSMENT IN EDUCATION
- ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS
- ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS
- ELE 2800 - EARLY CHILDHOOD INTEGRATED CURRICULUM and METHODS
- Mathematics (3 credit hours)
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS

After Gate One Eligibility Met

- ELE 3383 - LITERACY METHODS I: PRE-K-I
- ELE 3386 - SOC STUDIES METHODS
- ELE 3387 - SCIENCE METHODS
- ELE 3388 - MATHEMATICS METHODS I: GRADES PRE K-I
- ELE 3395 - INTEGRATING ARTS
- ELE 4403 - (W)LANGUAGE ARTS METHODS FOR THE DEVELOPING CHILD
- ELE 4426 - MATHEMATICS METHODS II: GRADES 2-4
- ELE 4435 - LITERACY METHODS II
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

Extended Field Experience Courses

- ELE 3400 - SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL
- ELE 4400 - STUDENT TEACHING
- ELE 4400L - (W)SENIOR LAB: BECOMING A PROFESSIONAL

SPECIAL EDUCATION SECOND CERTIFICATION

- SPE 2300 - INSTRUCTIONAL PLANNING and DESIGN
- SPE 3315 - LANGUAGE and COMMUNICATION DISORDERS
- SPE 3552 - ADVANCED EVIDENCE - BASED BEHAVIOR MANAGEMENT
- SPE 4440 - INSTRUCTIONAL STRATEGIES FOR LOW INCIDENCE DISABILITIES
- SPE 4445 - ADVANCED INSTRUCTIONAL METHODS IN SPECIAL EDUCATION

**TOTAL CREDIT HOURS: 75
(PLUS SPECIAL EDUCATION COURSES)**

ENGLISH EDUCATION BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of English and Modern Languages

English Faculty: Professors Doerksen, Harris, Murphy (Chairperson), Pifer, Rashidi, Sornberger, Sullivan-Blum, and Ulrich

Associate Professors: Barton, Guignard, Sanner and Washington

Assistant Professors: Blume

Modern Languages faculty: Professor Holtman

Associate Professors: Blanco, Keeth

The English major provides students with a strong grounding in the field of literary studies, with an emphasis on developing excellent analytical, critical thinking, writing, and research skills. Students pursuing the English curriculum receive training in literary analysis and gain a broad understanding of literature from a diverse set of cultures and written in a variety of genres. In addition, students learn to situate works in their literary historical and cultural contexts, and to employ various critical methods when interpreting texts. English majors will also acquire intermediate proficiency in a second language.

Students may pursue either a B.A. or B.S.Ed. (Secondary English Education) degree. The programs afford students an extensive exposure to the various forms of literary expression and the methods of literary interpretation. Such a background in the analysis and interpretation of literature, coupled with strong research and writing skills, provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in writing, editing, the law, public relations, communications, politics and government, industry, and library science. Students in the B.S.Ed. program receive a thorough grounding in literary analysis, English grammar, the theory and practice of composition, and the historical development of the English

language, and are thus provided with a strong content-area basis in preparation for teaching English at the secondary level. (See The Teacher Education Certification Section in the University Policies section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.) The B.S.Ed. is recognized by the National Council of The Teachers of English. (NCTE), 111 W. Kenyon Road, Urbana, Illinois 61801, 217-328-3870, <http://www.ncte.org/>.

Mission

The English Program of the Department of English and Modern Languages provides students with the opportunity to study and develop life-long interest in the appreciation of literary works from a variety of cultures and with the opportunity to develop their skills as writers in a variety of genres. Acquisition of skills in writing coupled with the knowledge of literary critical methods and our literary heritage gives students a keener insight into human life and society, a principle goal of a liberal arts education. Understanding the form of expression in literature is essential to a full realization of our hopes, values, and convictions. As liberally educated persons, we seek not only to perfect our powers for intellectual thought, but also to refine our powers of perception, to encourage creativity, and to foster an appreciation of the aesthetic dimensions of life and culture so that we come to recognize the significant imaginative expressions of the human spirit.

Program Goals

1. English graduates will demonstrate that they understand and can employ the techniques of textual analysis and interpretation.
2. English graduates will demonstrate that they understand and can employ humanities-based research methods.
3. English graduates will demonstrate that they can write clearly and effectively.

Program Outcomes

Students who successfully complete the English major will demonstrate their:

1. Ability to interpret texts critically, evincing an increasing level of competence from the introductory to the senior level.
2. Ability to situate literature and language in various contexts, including literary, cultural, and historical.
3. Ability to conduct library research with effective use of print and electronic sources.
4. Ability to understand writing as a process, to assess rhetorical contexts, and to revise written work effectively.
5. Ability to conform to the prescriptive rules of standard written English.

5. Understanding of and their ability to use the structure of the English language.

Policies and Procedures

The Department of English and Modern Languages also offers minor programs in African-American Studies, Creative Writing, English Literature, French, German, Spanish, and Women's Studies. Students may wish to complete a minor in order to add additional content emphasis to their course of study.

In planning a course of study, English majors must consult with their English faculty advisor on a regular basis. English B.A. and B.S.Ed. students will compile a portfolio of their written work to serve as evidence of their progress through the English curriculum and for the purpose of program assessment. The portfolios consist of the following:

- The final essay from ENG 1130: Introduction to Literary Studies
- Two essays from different upper division ENG courses
- A substantial revision of one of these three essays (to be completed as required in ENG 3333: Advanced Writing for English Majors)
- The final research essay from ENG 4401: Seminar in Literary Studies
- The writing lesson plan assignment from ENG 3324: Composition Theory and Practice (B.S.Ed. only)
- A record of performance on the final exams in ENG 2225: English Grammar and ENG 2226: History of the English Language (B.S.Ed. only)

Students will submit their portfolio essays electronically to the department chair. The English Program Assessment Committee reviews completed portfolios annually to assess the effectiveness of the English degree program.

For more information on the English program, go to <http://www.mansfield.edu/~english>

Program Requirements:

English Education Major, (B.S.Ed.): 123 s.h.

- ENG 1130 - INTRODUCTION TO LITERARY STUDIES
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 3324 - COMPOSITION THEORY & PRACTICE
- ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS
- ENG 3352 - SHAKESPEARE
- ENG 4401 - SEMINAR IN LITERARY STUDIES

Take one course from the following:

- HST 2201 - UNITED STATES HISTORY TO 1877

- HST 2202 - UNITED STATES HISTORY SINCE 1877

American Period

Take one course from the following:

- ENG 3278 - SURVEY OF AMERICAN LITERATURE I
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II

Take one course from the following:

- ENG 3362 - AMERICAN ROMANTICISM AND TRANSCENDENTALISM
- ENG 3363 - AMERICAN REALISM AND NATURALISM
- ENG 3364 - AMERICAN LITERATURE SINCE 1900

British Period

Take one course from the following:

- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- ENG 3269 - SURVEY OF BRITISH LITERATURE II

Take one course from the following:

- ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE
- ENG 3351 - ENGLISH RENAISSANCE LITERATURE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE
- ENG 3360 - BRITISH LITERATURE SINCE 1900

World / Minority

- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- Upper Level (3000 / 4000) French, German, or Spanish literature course

Major Genre, Contemporary Theory, or Major Author

- ENG 3376 - MAJOR GENRE
- ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM
- ENG 3385 - MAJOR AUTHOR

Professional Education

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3312 - TEACHING SECONDARY ENGLISH LANGUAGE ARTS
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

TOTAL CREDIT HOURS: 81

ENGLISH BACHELOR OF ARTS

Offered by the Department of English and Modern Languages

English Faculty: Professors Doerksen, Harris, Murphy (Chairperson), Pifer, Rashidi, Sornberger, Sullivan-Blum, and Ulrich

Associate Professors Barton, Guignard, Sanner and Washington

Assistant Professors Blume

Modern Languages faculty: Professors Holtman

Associate Professors Blanco, Keeth

The English major provides students with a strong grounding in the field of literary studies, with an emphasis on developing excellent analytical, critical thinking, writing, and research skills. Students pursuing the English curriculum receive training in literary analysis and gain a broad understanding of literature from a diverse set of cultures and written in a variety of genres. In addition, students learn to situate works in their literary historical and cultural contexts, and to employ various critical methods when interpreting texts. English majors will also acquire intermediate proficiency in a second language.

Students may pursue either a B.A. (Liberal Arts) or B.S.Ed. (Secondary English Education) degree. The programs afford students an extensive exposure to the various forms of literary

expression and the methods of literary interpretation. Such a background in the analysis and interpretation of literature, coupled with strong research and writing skills, provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in writing, editing, the law, public relations, communications, politics and government, industry, and library science. Students in the B.S.Ed. program receive a thorough grounding in literary analysis, English grammar, the theory and practice of composition, and the historical development of the English language, and are thus provided with a strong content-area basis in preparation for teaching English at the secondary level (see The Teacher Education Certification Section in the University Policies section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.) The B.S.Ed. is recognized by the National Council of Teachers of English (NCTE), 111 W. Kenyon Road, Urbana, Illinois 61801, 217-328-3870, <http://www.ncte.org/>.

Mission

The English Program of the Department of English and Modern Languages provides students with the opportunity to study and develop life-long interest in the appreciation of literary works from a variety of cultures and with the opportunity to develop their skills as writers in a variety of genres. Acquisition of skills in writing coupled with the knowledge of literary critical methods and our literary heritage gives students a keener insight into human life and society, a principle goal of a liberal arts education. Understanding the form of expression in literature is essential to a full realization of our hopes, values, and convictions. As liberally educated persons, we seek not only to perfect our powers for intellectual thought, but also to refine our powers of perception, to encourage creativity, and to foster an appreciation of the aesthetic dimensions of life and culture so that we come to recognize the significant imaginative expressions of the human spirit.

Program Goals

1. English graduates will demonstrate that they understand and can employ the techniques of textual analysis and interpretation.
2. English graduates will demonstrate that they understand and can employ humanities-based research methods.
3. English graduates will demonstrate that they can write clearly and effectively.

Program Outcomes

Students who successfully complete an English major will demonstrate their:

1. Ability to interpret texts critically, evincing an increasing level of competence from the introductory to the senior level.
2. Ability to situate literature and language in various contexts, including literary, cultural, and historical.

3. Ability to conduct library research with effective use of print and electronic sources.
4. Ability to understand writing as a process, to assess rhetorical contexts, and to revise written work effectively.
5. Ability to conform to the prescriptive rules of standard written English.
6. Understanding of and their ability to use the structure of the English language.

Policies and Procedures

The Department of English and Modern Languages also offers minor programs in African-American Studies, Creative Writing, English Literature, French, German, Spanish, and Women's Studies. Students may wish to complete a minor in order to add additional content emphasis to their course of study.

In planning a course of study, English majors must consult with their English faculty advisor on a regular basis. English B.A. and B.S.Ed. students will compile a portfolio of their written work to serve as evidence of their progress through the English curriculum and for the purpose of program assessment. The portfolios consist of the following:

1. The final essay from ENG 1130: Introduction to Literary Studies
2. Two essays from different upper division ENG courses
3. A substantial revision of one of these three essays (to be completed as required in ENG 3333: Advanced Writing for English Majors)
4. The final research essay from ENG 4401: Seminar in Literary Studies
5. The writing lesson plan assignment from ENG 3324: Composition Theory and Practice (BSE only)
6. A record of performance on the final exams in ENG 2225: English Grammar and ENG 2226: History of the English Language (B.S.Ed. only)

Students will submit their portfolio essays electronically to the department chair. The English Program Assessment Committee reviews completed portfolios annually to assess the effectiveness of the English degree program.

For more information on the English program, go to <http://www.mansfield.edu/~english>

Program Requirements:
English Major, (B.A.): 120 s.h.

- ENG 1130 - INTRODUCTION TO LITERARY STUDIES
- ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS
- ENG 3352 - SHAKESPEARE
- ENG 4401 - SEMINAR IN LITERARY STUDIES

American Period

Take one course from the following:

- ENG 3278 - SURVEY OF AMERICAN LITERATURE I
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II

Take one course from the following:

- ENG 3362 - AMERICAN ROMANTICISM AND TRANSCENDENTALISM
- ENG 3363 - AMERICAN REALISM AND NATURALISM
- ENG 3364 - AMERICAN LITERATURE SINCE 1900

British Period

Take one course from the following:

- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- ENG 3269 - SURVEY OF BRITISH LITERATURE II

Take one course from the following:

- ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE
- ENG 3351 - ENGLISH RENAISSANCE LITERATURE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE
- ENG 3360 - BRITISH LITERATURE SINCE 1900

World / Minority

Take one course from the following:

- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- Upper Level (3000 / 4000) French, German, or Spanish literature course

Major Genre, Contemporary Theory, or Major Author

Take one course from the following:

- ENG 3376 - MAJOR GENRE
- ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM
- ENG 3385 - MAJOR AUTHOR

English Electives

- Take 9 credits of 3000 or 4000 level ENG courses, or ENG 2225 or ENG 2226

TOTAL CREDIT HOURS: 39

GEOGRAPHY BACHELOR OF SCIENCE

Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Assistant Professors Demchak, Kopf

Instructors Benner, Dillon, Guignard, Dom, Wilson

Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

Where things are located has always been of interest to geographers. The more important and interesting question is, "Why are they where they are?" Pursuing the answer leads to new insights, both academic and applied. An especially pertinent example is the increasing use of geographic information systems (GIS) to help understand our world.

Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Outdoor Recreation Leadership and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. Minors in geography, geology, watershed management, and outdoor recreation leadership are also available and can provide important knowledge and skills to students majoring in related fields.

Program Mission Statement

We are here to teach. Excellence in education is a priority for us. We pledge to provide a substantive, up-to-date curriculum for each of our programs. And we will ensure that our students graduate with practical, applied skills that supplement their more general knowledge base.

We are here to learn. Geography and geology are dynamic disciplines whose insights and techniques are continually changing. It is incumbent upon us to grow with our discipline.

We are here to serve. We serve students by providing a broad range of general education classes. We serve our majors by providing guidance and interaction in a supportive atmosphere. We serve the University by membership on committees and by advising student organizations. And we serve the community by providing input to local organizations and government agencies.

Want to become a teacher? Our department also houses the content-area portion of the Earth and Space Science program (see Earth and Space Science Education Degree in this catalog.)

Values

The Department mission statement contains the standards to which we hold ourselves accountable. By extension, it also embodies goals which we have for our students, though at a level and in a context appropriate for them. For example: Our priority on excellence in teaching becomes for them the ability to give organized, informative, and well-illustrated presentations to peers and authority figures (fellow students and department faculty while in school, coworkers, superiors, and at public meetings when in a work environment). The directive for continual learning is essentially the same for them and us. Just as old and yellowed lecture notes will not suffice for us, our students cannot rely for long solely on the material we have taught them. The requirement for service is essentially the same for each of us as well, though ours will generally be of a more substantive nature than theirs.

In 1912 students at Mansfield University (then named Mansfield Normal School) developed a creed which has been a part of our school's ethos ever since. The four cornerstones of the Creed (Character, Scholarship, Culture and Service) are emblazoned on an original wooden plaque now prominently displayed at the entrance to the library. The correspondence between the Creed and our department goals demonstrates that, though technology and theories may change, there are some qualities so self-evident that they stand the test of time.

Vision

We will continue to build both the long-time (Environmental Science, Earth Space Science, Geology minor) and recently-developed programs (Watershed Management and Outdoor Recreation Leadership) programs by focusing on applied skills and "real world" applications.

Learning Outcomes

- Graduates will exhibit a sense of service and self-motivation as evidenced by participation in co-curricular activities, especially those involving leadership positions and volunteerism.
- Graduates will demonstrate the ability to produce and interpret maps, images, charts and other graphic data
- Graduates will demonstrate the organizational ability,

technical skills and confidence necessary to devise and deliver a presentation to an audience of their peers and authority figures.

- Graduates will demonstrate the ability to write a coherent essay or report relating to their major.

Program Requirements: Geography (B.S.): 120 s.h.

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3272 - GIS/GPS
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION

Geography Electives

- Take 18 credits of Upper Division (3000 or 4000 level) courses from the GEG prefix

TOTAL CREDIT HOURS: 42

GEOGRAPHY ENVIRONMENTAL SCIENCE CONCENTRATION

Offered by the Department of Geography and Geology
Professor Dodson (chairperson)
Assistant Professors Demchak, Kopf
Instructors Benner, Dillon, Guignard, Dom, Wilson

The concentration in Environmental Science is a broad-based program designed to prepare students for entry-level positions in a variety of environmental fields. Graduates typically work for: parks (as rangers or managers), state environmental agencies (such as the Pennsylvania Department of Environmental Protection), environmental consulting firms, water treatment plants, sewage enforcement agencies, engineering firms, county soil and agricultural agencies, solid and hazardous waste firms, recycling agencies and companies associated with the natural gas industry. Many also pursue advanced degrees in graduate school.

The program emphasizes the acquisition of practical skills and knowledge. Studies in map and air photo interpretation, meteorology, hydrology, environmental issues, and computer applications are all stressed. Moreover, the requirements are designed to encourage a minor in Geology or Biology both of which are important and related disciplines. An internship is also recommended.

Learning Outcomes

- Students will explain the dynamics of and interactions

between the four basic components of the Earth's physical system: atmosphere, lithosphere, biosphere and hydrosphere

- Graduates will explain the impact of human actions on the environment at local, regional or global scales.

Program Requirements: Geography, Environmental Science Concentration (B.S.): 120 s.h.

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

Take one course from the following:

- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1112 - GENERAL CHEMISTRY II
- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 3272 - GIS/GPS
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3410 - GEOGRAPHIC RESEARCH
- GEL 1102 - ENVIRONMENTAL GEOLOGY
- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING

Geography Electives

- Take 3 credits of Upper Division (3000 or 4000 level) courses from the GEG prefix

Professional Sequence

Take one course from the following:

- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3060 - PRINCIPLES OF SOIL SCIENCE
- GEG 3312 - WEATHER AND CLIMATE
- GEG 4500 - SENIOR SEMINAR
- GEL 3310 - HYDROLOGY

Electives

Take four courses from the following:

- BI 3331 - LOCAL FLORA
- BI 3350 - ECOLOGY OR
- BI 3351 - LIMNOLOGY
- ENG 3332 - NATURE WRITING

- ENG 3371 - PROFESSIONAL WRITING
- GEG 3280 - CARTOGRAPHY
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY
- GEG 4420 - (GEL) - REMOTE SENSING
- GEG 4496 - INTERNSHIP
- GEL 3400 - OIL & GAS GEOLOGY
- HPE 3340 - FIRST AID and CPR
- PHL 3316 - ENVIRONMENTAL ETHICS
- WSM 3512 - WETLAND IDENTIFICATION and MANAGEMENT

TOTAL CREDIT HOURS: 69 - 70

GEOGRAPHY MAPPING TECHNOLOGY CONCENTRATION

Offered by the Department of Geography and Geology
Professor Dodson (chairperson)
Assistant Professors Demchak, Kopf
Instructors Benner, Dillon, Guignard, Dom, Wilson

The concentration in Mapping Technology is a combination of the fields of cartography and geographic information systems. The program at Mansfield provides a strong background in map design and compilation as well as a good understanding of data management and an introduction to programming. The curriculum requires courses in map reading and air photo interpretation, remote sensing and GIS as well as the series of GIS courses. Graduates of this program work for engineering firms, mapping firms and local and regional government offices.

Program Requirements: Geography, Mapping Technology Concentration (B.S.): 120 s.h.

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 3272 - GIS/GPS
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3364 - GEOSTATISTICS
- GEG 3410 - GEOGRAPHIC RESEARCH
- GEG 4420 - (GEL) - REMOTE SENSING
-

Geography Electives

- Take 6 credits of Upper Division (3000 or 4000 level) courses from the GEG prefix

Take two courses from the following:

- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 3365 - DIGITAL IMAGING AND ILLUSTRATION
- CIS 1102 - VISUAL BASIC PROGRAMMING
- CIS 1115 - PROGRAMMING WITH OBJECTS
- GEG 3345 - WEB BASED CARTOGRAPHY
- GEG 4496 - INTERNSHIP

Total Credit Hours: 42

GEOGRAPHY OUTDOOR RECREATION LEADERSHIP CONCENTRATION

Offered by the Department of Geography and Geology
Professor Dodson (chairperson)
Assistant Professors Demchak, Kopf
Instructors Benner, Dillon, Guignard, Dom, Wilson

The concentration in Outdoor Recreation Leadership is designed to provide a blend of classroom and experiential learning for students wishing to pursue a career in some aspect of outdoor recreation. A focus on leadership as well as practical geographic skills such as GIS/GPS and map/air photo interpretation are also stressed. The program includes supporting coursework in business, geology, watershed management, wilderness first aid, and leadership studies. Possible career paths include: outdoor adventure guide, park ranger, environmental interpreter, director of youth camps, ecotourism, working with at-risk youth, outdoor-oriented resorts, civic recreation departments, opening your own recreation business.

Learning Outcomes

- Students will demonstrate knowledge of the history, theories, trends, and value of outdoor recreation in the United States, as well as the basic concepts and techniques of experiential education and outdoor leadership.
- Students will exhibit the judgment and ability to lead several types of outdoor trips and to make ethical and responsible decisions when planning and executing those trips.

Program Requirements: Geography, Outdoor Recreation Leadership Concentration (B.S.): 120 s.h.

Take one course from the following:

- ENG 3332 - NATURE WRITING
- ENG 3371 - PROFESSIONAL WRITING

Take one course from the following:

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3272 - GIS/GPS
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3312 - WEATHER AND CLIMATE
- GEG 4500 - SENIOR SEMINAR
- GEL 1102 - ENVIRONMENTAL GEOLOGY
- GEL 1121 - PHYSICAL GEOLOGY
- HPE 3345 - WILDERNESS FIRST AID / CPR
- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES
- PHL 3316 - ENVIRONMENTAL ETHICS
- WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT

Professional Sequence

- BUS 3260 - ENTREPRENEURSHIP
- LDR 4425 - LEADERSHIP CAPSTONE
- REC 1200 - INTRODUCTION TO OUTDOOR RECREATION
- REC 3100 - LEADING OUTDOOR RECREATION TRIPS
- REC 3700 - RECREATION MANAGEMENT IN PUBLIC AND PRIVATE SECTORS
- TRT 3300 - THE TRAVEL CONSUMER

Electives

Take 6 credits from the following:

- BI 3351 - LIMNOLOGY
- COM 3330 - EFFECTIVE MEETING MANAGEMENT
- GEG 3060 - PRINCIPLES OF SOIL SCIENCE
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4420 - (GEL) - REMOTE SENSING
- GEL 3310 - HYDROLOGY
- GEL 3322 - HISTORICAL GEOLOGY
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II
- WSM 3512 - WETLAND IDENTIFICATION and MANAGEMENT

Electives

- AST 1109 - OBSERVING THE WINTER SKY OR
- AST 1110 - OBSERVING THE SPRING SKY OR
- AST 1111 - OBSERVING THE SUMMER SKY
- HPE 1106 - BEGINNING ARCHERY
- HPE 1129 - ARCHERY
- HPE 1165 - HIKING
- REC 1310 - ROCK CLIMBING
- REC 1320 - MOUNTAIN BIKING
- REC 1330 - RIVER GUIDING
- REC 1340 - KAYAKING AND CANOEING
- REC 1550 - NATURE PHOTOGRAPHY
- REC 1560 - OBSERVING ANIMALS
-
- REC 1570 - EDIBLE/MEDICINAL PLANTS
- REC 3020 - PRACTICUM

Total Credit Hours: 71

GEOGRAPHY

WATERSHED MANAGEMENT CONCENTRATION

Offered by the Department of Geography and Geology
Professor Dodson (chairperson)
Assistant Professors Demchak, Kopf
Instructors Benner, Dillon, Guignard, Dom, Wilson

The concentration in Watershed Management is designed to prepare students for entry-level positions or for graduate school. It is interesting, interdisciplinary and challenging. Required coursework includes biology, chemistry, geology, geography and regional planning, as well as the core classes in watershed management. We also recommend that you complete an internship with a government agency or private organization.

Mansfield University is an especially appropriate location for this program. All of the following are located within our county: diverse water chemistry; acid mine drainage impacted streams and demonstration projects to reduce their effect; varied land uses, nutrient loading of some streams from intense agriculture; interesting bedrock and geologic structure; multiple flood control/water management projects; boundary between glaciated and non-glaciated landscapes; Army Corps of Engineers, U.S. Geological Survey, Pennsylvania Department of Environmental Protection and active local watershed groups; and, part of the Chesapeake Bay watershed, a focus of much research and remedial work. In short, our county is an ideal outdoor laboratory for the study of watershed management.

Learning Outcomes

- Students will demonstrate the ability to properly use field equipment such as flow meters, water quality test kits, pH meters and soil color charts.
- Students will demonstrate the ability to perform a watershed assessment and to develop a watershed protection or restoration plan.

Program Requirements:

Geography, Watershed Management Concentration (B.S.): 120 SH

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

Take one course from the following:

- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1112 - GENERAL CHEMISTRY II
-
- ENG 3371 - PROFESSIONAL WRITING
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3272 - GIS/GPS
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3364 - GEOSTATISTICS
- GEG 3410 - GEOGRAPHIC RESEARCH
- GEL 1102 - ENVIRONMENTAL GEOLOGY
- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING

Professional Sequence

- BI 3351 - LIMNOLOGY
- GEG 3060 - PRINCIPLES OF SOIL SCIENCE
- GEG 4500 - SENIOR SEMINAR
- GEL 3310 - HYDROLOGY
- WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT
- WSM 3500 - WATERSHED RESTORATION
- WSM 3512 - WETLAND IDENTIFICATION and MANAGEMENT
- WSM 3522 - WATERSHED POLICIES and ETHICAL ISSUES

Electives

Take 9 credits from the following:

- BI 3350 - ECOLOGY
- GEG 3020 - PRACTICUM OR
- GEG 4496 - INTERNSHIP
- GEG 3280 - CARTOGRAPHY
- GEG 3312 - WEATHER AND CLIMATE
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4420 - (GEL) - REMOTE SENSING
- Total Credit Hours: 69

GRAPHIC DESIGN BACHELOR OF SCIENCE

Offered by the Department of Art

Professor Kutbay

Associate Professor Schlegel

Assistant Professor Anderson, Whitehouse (Chairperson)

Mission

The Graphic Design major at Mansfield University is a comprehensive program within a small, liberal arts university. A tremendous amount of individual attention is given to students, from professors and advisors, providing guidance for the major's two distinct tracks in print and motion graphics. The program, which is rooted in the Mansfield Creed of character, scholarship, culture, and service, is positioned in the Art Department with ties to The Department of Communication. The Graphic Design program also incorporates the disciplines of art, marketing, journalism, and business—creating a well-rounded understanding of the field of graphic design, as it is the voice that speaks to and through these distinct disciplines. Students studying in this program will complete an internship or a community-based practicum project, as well as a senior capstone exhibition or presentation, before receiving their degree. It is a goal of the program, to have our students leave Mansfield University, not merely with training in the practice of graphic design, but with an approach to thinking, communicating, and creating that will allow them to be future problem-solvers and catalysts for successful visual communication within our society.

Vision

The Graphic Design program at Mansfield University will strive to offer a challenging, enterprising approach to the expression of visual information. Our students will be leaders and competitors in this discipline—thinking outside of, and beyond, the box of conventional education. Through a belief that one can create a life, which embraces integrity, cherishes learning, celebrates

differences, and reaches out to others, our graphic design students will use their collective creative voice as an influence for positive change.

Goals

- Lead our students in the discipline and profession of graphic design, with a philosophy that is rooted in art and crosses the terrain of communication and business.
- Educate the next generation of forward-looking graphic designers with adaptable, cross-curricular abilities and perspectives.
- Present the opportunity for students to engage in a program where they will have a competitive position to be employed in the graphic design field or be well prepared to continue on for specialized study at the graduate level.
- Foster a perspective for problem-solving methodologies and a broad approach to the role and influence design can have within society.
- Develop a work ethic of continuous learning and an ongoing utilization of current and changing technologies in the field of graphic design.
- Provide our students with an affordable opportunity to study and experience cultures where design plays a vital role, creates a positive impact, and exerts an influential voice for a conscientious society.

Student Learning Outcomes

- Elements and Principles of Design – Recognize and employ the use of the Elements and Principles within all forms of art and graphic design.
- Discipline-specific Vocabulary – Identify and interpret terminology associated with the concepts, techniques, and processes used in art and graphic design.
- Design Process – Create visual communication solutions implementing the various stages of the creative design process.
- History and Culture – Distinguish between the historical periods and styles of graphic design, and apply period-related colors, typefaces, and imagery, as appropriate to assignments.
- Tools, Skills, and Techniques – Practice and employ the operation of equipment and procedures associated with multiple facets of graphic design. These may include: printmaking, traditional- and/or digital- photography, typography, and book binding, as well as computer hardware and software associated with art and design processes, in both Mac and Windows platforms.
- Commercial Processes – Execute and present a working knowledge of the requirements and techniques used in commercial fabrication of graphic design pieces, in the production of either print- or motion-based work.
- Problem Solving – Evaluate and combine rational

and intuitive processes and skills, together with the ability to analyze, research, and make clear deductions, to create visually cohesive and thoughtful communications using the creative, problem-solving process.

- Presentation, Review and Critique – Present, evaluate, and verbally communicate, or receive, constructive feedback in response to an objective set of criteria for any given work of art or graphic design.

Program Requirements:

Graphic Design (B.S.): 120 s.h.

- ARH 1101 - INTRODUCTION TO ART
- ART 2200 - FOUNDATION IN NEW MEDIA
- ART 2218 - PHOTOGRAPHY
- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 2244 - THREE-DIMENSIONAL DESIGN
- ART 2248 - DRAWING
- ART 3365 - DIGITAL IMAGING AND ILLUSTRATION
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 4440 - COMMUNICATION LAW
- GRA 2202 - INTRODUCTION TO GRAPHIC DESIGN
- GRA 2203 - HISTORY OF GRAPHIC DESIGN
- GRA 3350 - TYPOGRAPHY
- GRA 4403 - SENIOR SEMINAR PROJECT
- MKT 3330 - MARKETING

Concentrations: elect either the Motion Graphics or Print Graphics Concentration

MOTION GRAPHICS CONCENTRATION

- ART 4465 - ADVANCED DIGITAL IMAGING AND ILLUSTRATION
- COM 3301 - TELEVISION PRODUCTION I
- GRA 3302 - INTERACTIVE DESIGN
- GRA 4402 - ADVANCED INTERACTIVE DESIGN

PRINT GRAPHICS CONCENTRATION

- ART 3331 - PRINTMAKING
- ART 3342 - DESIGN AND ADVERTISING
- ART 4431 - ADV PRINTMAKING
- GRA 4404 - BRANDING AND IDENTITY
- GRA 4450 - ADVANCED TYPOGRAPHY

Related Electives

Take 8 credits from the following, and from other ART, COM, GRA, and other course prefixes by advising:

- ART 2250 - FIGURE DRAWING
- ART 3330 - DIGITAL PHOTOGRAPHY
- CIS 3303 - WEB SITE DESIGN
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION OR
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- JN 2210 - MEDIA DESIGN
- MKT 3332 - PROMOTION IN MARKETING
- Competitive Practicum or Internship

*If a student chooses to do a Practicum, rather than an Internship, it must be supplemented with one related elective, taken at the time of the Practicum. A total of 6 credits must be earned.

(Select one - students must apply / qualify)

- GRA 4405 - GRAPHIC DESIGN PRACTICUM
- GRA 4410 - GRAPHIC DESIGN INTERNSHIP

TOTAL CREDIT HOURS: 71

HISTORY BACHELOR OF ARTS

Offered by the Department of History, Philosophy and Political Science

Professor Guenther, Newman

Associate Professors Bosworth, Chua, Gaskiewicz

(chairperson), Holderby, McEvoy

Assistant Professor Rothermel

The Department of History, Philosophy and Political Science offers two history degrees: a B.A. in History, and a B.S.Ed. in Social Studies: History. We offer minors in history, political science, international studies, and environmental studies.

History Program

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Non-Western history, as well as a wide variety of arts and sciences courses.

The mission of the History Program includes:

- Providing a broad, balanced education in the discipline of history
- Developing skills in critical thinking, problem solving, and communicating (both written and oral) through research and applications
- Nurturing attitudes and values conducive to lifelong learning and to active, effective citizenship
- Encouraging the academic study of leadership and leadership skills in historical context

Vision

The History programs of Mansfield University prepare graduates with the knowledge and skills to be effective historians. Students who pursue a B.S.Ed. degree in Social Studies: Historians are trained to be reflective teachers who believe that all students can learn and help them to do so. The research and writing skills developed in our programs also open opportunities in many other areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staff to ensure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

Goals and Values

The History program promotes the acquisition of historical knowledge, critical thinking, writing, and research skills in the context of a liberal arts education. The program supports the Mansfield strategic goal of making a liberal arts education the foundation for every student. To do that, it offers numerous courses approved for the general education program. The program also supports the Mansfield strategic objectives to improve the first year experience, provide superior academic advising, and develop programs that encourage faculty to interact with and mentor students.

Student Learning Outcomes

In all history programs students will accomplish the following :

- Demonstrate factual and conceptual understanding of historical events .
- Articulate how societies are influenced by their geographical location, natural resources, and physical relationship to other parts of the world.
- Demonstrate knowledge of the world's civilizations and peoples, and their political, economic, social, and cultural histories.
- Reflect an understanding of the roles of race, class, gender, and ethnicity in history.
- Demonstrate an ability to recognize and interpret multiple forms of evidence (visual, oral, statistical, material culture artifacts).

- View other societies in a comparative context and look at one's own society in the context of other societies.
- Acquire familiarity with the uses and the limitations of historical comparison as an analytic tool.
- Recognize the distinction between primary and secondary sources and understand how each are used in historical research.
- Write clear, well organized, properly documented and grammatical prose.
- Locate printed and online information sources to research a topic thoroughly.

Canadian Studies

The formal study of Canada is a critical element in the education of the next generation of leaders, providing a significant, accessible avenue for understanding global interdependence and multicultural environments. Moreover, with Canada and the United States as each other's largest trading partner, learning about Canada as a foreign market makes increasingly good economic sense, especially as international job mobility increases.

The Canadian Studies minor provides the student with an interdisciplinary approach to understanding the history, literature, economics, politics, business, fine arts, educational systems, and the physical and cultural environments of our northern neighbor. Building on the theoretical and practical content of the core course, the student selects courses from across the curriculum wherever Canadian content or perspectives are designated.

Program Requirements:

History, (B.A.): 120 s.h.

Take two courses from the following:

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 3290 - HISTORICAL METHODS

Take one course from the following:

- HST 4401 - HISTORY OF PENNSYLVANIA
- HST 4496 - SENIOR SEMINAR

History Electives

Take 6 credits of European History Electives

- Take 6 credits of United States History Electives
- Take 6 credits of Global History Electives

TOTAL CREDIT HOURS: 36

HONORS PROGRAM

The Honors Program at Mansfield University is a 22-credit multi disciplinary academic program with an emphasis on experiential learning, discussion-based courses, critical thinking, and featuring innovative course work, small class sizes, challenging subjects and opportunities for cultural enrichment. This program is designed for students with a consistent record of academic achievement and a desire for new and exciting learning experiences which allows students to apply their knowledge across academic disciplines. It is the goal of the Honors Program to provide students with the skills and opportunities to achieve their full potential during their academic career at Mansfield University. Honors students are expected to make continual progress each semester in completing their Honors Program to remain in Good standing. Mansfield University is a member of the National Collegiate Honors Council (NCHC) and the Northeast Regional Honors Council (NRHC).

The Honors Program offers a dynamic learning environment that includes unique courses, collaborative and individual research projects and experiential educational experiences. Honors Program students are required to complete four specially designed core courses, two Honors electives, a Senior Honors Research Project and a Honors Research Project Seminar. The electives, representing a cross-section of the liberal arts and sciences, change each semester.

Students may join the Honors Program any of three ways. First, students who demonstrate superior high school achievement as reflected on SAT scores, GPA and class rank are invited to accept admission into the Honors Program during Freshman Orientation by the Department of Admissions. Secondly, freshman who exhibit strong academic potential during their first semester are invited to join on the basis of Mansfield University faculty recommendation. Finally, students who have completed their freshmen year and have demonstrated strong academic achievement can forward a formal written request to the Honors Program Director to be considered for admission.

Honors students must maintain a 3.0 in their Honors courses QPA and overall QPA as well as make continual progress in fulfilling Honors requirements. There are two required events for ALL Honors students during EACH academic year. These are the Informational Meetings the first week of both fall and spring semesters. Missing any of these required events, without a reason acceptable to the Honors Program Director, will cause a student to be dismissed from the Honors Program. Furthermore, first-year Honors students are required to participate in the Mansfield Outstanding Honors Buddy System (MOHBS) in which 5-8 first-year Honors students (a MOHB) meet regularly with a returning Honors student (the MOHB Boss). Each MOHB meets a minimum of 8 times each semester, and first-year students may not miss more than 2 meetings or be dismissed from the Honors Program. MOHBs work on group projects, create service projects, acclimate students to Mansfield University, and provide a support structure for first-year Honors students.

A student whose grades fall below 3.0 in either their Honors QPA or overall QPA is placed on Honors Probation. The student is given one semester to improve their QPA, should the QPA (overall or Honors) not be raised to a minimum of 3.0 by the following semester, the student may be given a second opportunity if there are extenuating circumstances. Any student not meeting the minimum QPA (either Honors or overall) at that time is dismissed from the Program. A student who falls below 3.00 in their Honors QPA and does not take an Honors course to raise that QPA would still be below the required standard and still be dismissed. Dismissal from the Honors Program has no impact upon student enrollment at the University. Honors Probation prohibits students from receiving Priority Scheduling or qualifying for any Honors Program awards.

After you are admitted you will be assigned to an Honors Advisor who will assist you with your progress in the Program. The Honors Advisor helps with the student's General Education program so that it is both relevant to the student's interests and meets graduation requirements. If you should decide to leave the Program you would not lose any of your earned Honors credits. Those credits would still appear on your transcript and count as fulfilling your General Education requirements.

There are a large number of benefits associated with membership. The Honors Program is compatible with Mansfield University departmental majors. Almost all Honors courses count in fulfilling the General Education Block Requirements. The Honors Program Director and Honors Advisors assist students in working with scheduling situations. Honors Program students register for classes at the beginning of each registration period. Upon the successful completion of your fourth Honors course, you will be awarded your Honors Sweater. Upon the successful completion of your sixth Honors course, you will be awarded your Honors Pin. Upon completion of the Program, you will be awarded your Honors Medallion.

Furthermore, Honors students are eligible for tuition-reimbursement awards and study grants including annual MU Foundation Awards, QPA Book Awards, and two full scholarships to attend the five-week Summer Honors Program of the State System of Higher Education which earns each participant six University Honors credits. Past programs have included Russia, Austria, Scotland, South Africa, Ecuador, England, Costa Rica, France and a European Tour. Graduating Honors students are formally recognized at Commencement when Honors Medallions are presented. The Honors Study room is available for Honors Program students only and is located in North Hall Library. Upon graduation from the University, each Honors Program student completing their MU Degree Program with a minimum 3.00 total QPA will have featured on his/her transcript: "this student has successfully completed the University Honors Program with Honors." Each student with a minimum 3.50 total QPA in their Honors courses and a minimum 3.25 total QPA will have noted: "This student has completed the University Honors Program with Distinction." Honors students participate in university field trips, attend cultural events, network with other Honors students as well as attend other get-togethers planned by members of Honors Council.

The Honors Program is administered by the Honors Program Director and Honors Council. The Director is appointed by the Provost (Vice-president for Academic Affairs). The Honors Council consists of multiple faculty members from various academic disciplines who act as Honors Program Advisors to Honors Program students. The Honors Program Director is assisted by the Honors Program Secretary.

For any additional information regarding the Honors Program, contact the Honors Program Director: Dr. Benjamin Moritz at (570) 662-4727 or bmoritz@mansfield.edu.

Standard Honors Program Course Requirements:
All Honors courses satisfy General Education requirements)

Take one course from the following:

- HON 1107 - MACRO PHYSICAL SCIENCE
- HON 1108 - MICROPHYSICAL SCIENCE
- HON 1111 - HUMANITIES HONORS I
- HON 1112 - HUMANITIES HONORS II
- HON 2200 - RESEARCHING CONTEMPORARY ISSUES
- HON 4495 - HONORS SENIOR PROJECT SEMINAR
- HON 4497 - SENIOR RESEARCH PRESENTATION

Honors Electives

- TAKE 6 CREDITS (COURSES CHANGE EVERY SEMESTER)

TOTAL SEMESTER HOURS FOR HONORS PROGRAM: 22

LIBERAL STUDIES ASSOCIATE OF ARTS

Offered by Academic and Human Development
Associate Professors: Chabala, Krieger
Assistant Professors: Rotella (chairperson)
Instructor: Hale

The Associate of Arts in Liberal Studies (AA) offers student an opportunity to obtain a two-year degree that provides the core elements of a liberal education preparation for a broad variety of career paths and additional education experiences. The degree is designed to facilitate ease of transfer to a bachelor's level program on campus. Students admitted to our Associates of Arts in Liberal Studies program must have completed 12 credits beyond any developmental course required (MA 0090, ENG 0090) and have a minimum 2.75 GPA or have completed 24 credits with a minimum 2.0 GPA, before they are permitted to change programs. These

expectations are clearly stated in students' letter of admission to the University.

Mission

The mission of the Liberal Studies degree program, offered by the Department of Academic and Human Development, is to assist the student in the purposeful planning of an undergraduate liberal education that contributes to an environment which promotes academic and personal growth, as well as intellectual, ethical, and aesthetic values. Liberal Studies is an interdisciplinary program designed to provide an individualized education, based in the tradition of the liberal arts (the humanities, the arts, languages, mathematics, and natural and social sciences). The program is committed to the development of the independent lifelong learner.

Program Goals and Vision

- To impart general knowledge and enhance critical thinking skills and intellectual capabilities
- To enable the student to pursue broad interests or to develop a specialized program in a discipline unavailable as an undergraduate degree, at the University
- To provide the student the opportunity to engage fully in shaping an education best suited to individual needs and interests
- To empower the student with the necessary skills and knowledge to be an effective, productive citizen and leader in a challenging and rapidly changing global society

Program Outcomes

The acquisition of knowledge of:

- Western culture and its relationship to non-western cultures
- The foundations and characteristics of educated discourse
- The unity and diversity of humanity
- Fine arts and aesthetics
- The intricate complexities of life on the planet
- Scientific information as its applied to personal and social decisions
- The approaches of the liberal arts disciplines

The demonstration of skills in:

- Critical and analytical thinking
- Effective written and oral communication
- The use of more than one language
- Inquiry and research
- Quantitative reasoning
- Problem solving

The development of dispositions to:

- Form a coherent, independent philosophy of life
- Make socially responsible and personally fulfilling life choices
- Live sustainably
- Value knowledge and continuing growth
- Form opinions and modify positions based on evidence
- Reason ethically and act with integrity
- Promote social justice and peace

Interested students should contact the chairperson, Professor Deborah Rotella (570-662-4824) for information.

Program Requirements: 60 s.h.

General Education Outline

A. Foundations of Knowledge (12 credits)

- First Year Seminar (3)
- Written Communication (6)
- Oral Communication (3)

B. Approaches to Knowledge (18-20 credits)

- Humanities (6) (Courses must have a different prefix)
- Natural and Physical Sciences (3-4) (Must have a laboratory component)
- Social and Behavioral Sciences (6) (Courses must have a different prefix)
- Mathematics (3-4)

C. Unity and Diversity of Humanity (12 credits)

- Global Perspectives (6)
 - o Option 1: Language other than English (6) (Must be two consecutive courses of the same language)
 - o Option 2: Western and Non-Western Global Cultures (6) (Courses must have a different prefix)
- Themes (6 from at least two strands)
 1. Ethics and Civic Responsibility (3)
 2. Environmental, Economic, Social, and Personal Sustainability (1-3)
 3. Arts & the Human Experience (1-3)

General Education total hours: 42-44
Remaining Hours 16-18 (by advisement)
Total Credits: 60

LIBERAL STUDIES BACHELOR OF ARTS

Offered by the Department of Academic and Human Development

Associate Professors: Chabala, Krieger

Assistant Professors: Rotella (chairperson)

Instructor: Hale

The Bachelor of Arts in Liberal Studies is a degree program designed to accommodate the students with prior learning credits and those students who wish to have flexibility in designing a program to meet individual personal career interests. Because Mansfield University offers over 50 unique academic minors, our Liberal Arts majors may select from a broad range of degree concentrations. Thus Business, Communication, Art, and Journalism could be combined to construct a concentration in Advertising, or Anthropology, History, and Art History for museum studies.

Students in Liberal Studies fulfill the University's general education program requirements (see General Education) and either declare an academic minor or achieve second-year proficiency in a foreign language. Second year language proficiency is defined as successful completion of the 2202 level of a foreign language. Although there are no specific course requirements for Liberal Studies, the structural foundation of the program is the 24-hour rule. This rule holds that, for a Liberal Studies student, no more than 24 credit hours in any individual prefix area can be counted towards the number of hours needed for graduation (120). (Note that BUS, MU ART, ED and ELE are each separate course prefix areas. The 24-hour rule ensures that Liberal Studies will be used as a combined major.

Mission

The mission of the Liberal Studies discipline, offered by the Department of Academic and Human Development, is to assist students in the purposeful planning of an undergraduate liberal education that contributes to an environment which promotes academic and personal growth, as well as intellectual, ethical, and aesthetic values. Liberal Studies is an interdisciplinary program designed to provide an individualized education based in the tradition of the liberal arts (humanities, arts, languages, mathematics, and natural and social science). The program is committed to the development of the independent lifelong learner.

Program Goals

- To impart general knowledge and enhance critical thinking skills and intellectual capabilities

- To enable the student to pursue broad interests or to develop specialized program in a discipline unavailable as an undergraduate degree at the University
- To provide the student the opportunity to engage fully in shaping an education best suited to individual needs and interests
- To empower the student with the necessary skills and knowledge to be an effective and productive citizen and leader in a challenging and rapidly changing global society

Program Outcomes

The acquisition of knowledge of:

- Western culture and its relationship to non-western cultures
- The foundations and characteristics of educated discourse
- The unity and diversity of humanity
- Fine arts and aesthetics
- The intricate complexities of life on the planet
- Scientific information as it is applied to personal and social decisions
- The approaches of the liberal arts disciplines
- The demonstration of skills in:
 - Critical and analytical thinking
 - Effective written and oral communication
 - The use of more than one language
 - Inquiry and research
 - Quantitative reasoning
 - Problem solving
- The development of dispositions to:
 - Form a coherent, independent philosophy of life
 - Make socially responsible and personally fulfilling life choices
- Live sustainably
- Value knowledge and continuing growth
- Form opinions and modify positions based on evidence
- Reason ethically and act with integrity
- Promote social justice and peace

Interested students should contact the chairperson, Professor Deborah Rotella (570-662-4824) for information .

Program Requirements:

Liberal Studies (B.A.): 120 s.h.

General Education Outline

- A. Foundations of Knowledge (12 credits)
- First Year Seminar (3)
 - Written Communication (6)
 - Oral Communication (3)
- B. Approaches to Knowledge (18-20 credits)
- Humanities (6) (Courses must have a different prefix)
 - Natural and Physical Sciences (3-4) (Must have a laboratory component)
 - Social and Behavioral Sciences (6) (Courses must have a different prefix) Mathematics (3-4)
- C. Unity and Diversity of Humanity (12 credits)
- Global Perspectives (6)
 - o Option 1: Language other than English (6) (Must be two consecutive courses of the same language)
 - o Option 2: Western and Non-Western Global Cultures (6) (Courses must have a different prefix)
 - Themes (6 from at least two strands)
 1. Ethics and Civic Responsibility (3)
 2. Environmental, Economic, Social, and Personal Sustainability (1-3)
 3. Arts & the Human Experience (1-3)
- D. A program of study based on learning outcomes, designed in collaboration with a faculty advisor and not exceeding 24 credit hours in courses with the same prefix.
- E. Capstone Project accomplished within the major. It may take any appropriate form, e.g., portfolio, research paper, performance, etc.

TOTAL HOURS 42-44

MASS COMMUNICATION, BROADCASTING CONCENTRATION

Offered by the Department of Communication
Professor Young (chairperson)
Associate Professor Hoy, Wright
Assistant Professors Bernum, Lohrey, Lucas, Mason,
McIntyre, Pieper

The Department offers a major in Mass Communication with three concentrations: Broadcasting, Journalism, and Public Relations.

Mission Statement – Mass Communication

The mission of the Mass Communication program is to serve our students, Mansfield University and our region through academic, extracurricular and cultural activities that promote the development of communication competence, critical analysis, an ethical foundation, respect for diversity, an understanding for the importance of research and recognition of the value of service, thus preparing our students for careers in their chosen fields.

The Mass Communication, Broadcasting Concentration prepares students for careers in electronic media writing, production and management, sales, on-air talent, audio recording, cable outlets, law, and advertising. Our program offers a vigorous major elective and free elective curriculum that is adapted to the student's career interest. Students gain experience working in the university's television and audio studios.

Learning Outcomes

- Develop and improve critical thinking skills through the evaluation of diverse media texts.
- Develop and improve proficiency in the use of audio and visual production equipment and elements.
- Demonstrate the acquisition of knowledge in the historical, theoretical and current operating principles of electronic media.
- Adapting and improving a writing style appropriate for electronic media.
- Analyze and make decisions related to media ethical and moral dilemmas based on philosophical principles.

Internship

Qualified students are encouraged to participate in the Department's successful internship program. The intern applicant must have 90 earned credits prior to the start of the internship, a 2.5 overall GPA and a 3.0 in the major to qualify. Internships may be completed for 6-12 credits for the internship experience. A student may only complete one internship experience for credit.

Program Requirements: Mass Communication, Broadcasting Concentration (B.S.): 120 s.h.

- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2220 - AMERICAN BROADCASTING HISTORY
- COM 2230 - WRITING FOR BROADCASTING MEDIA
- COM 3301 - TELEVISION PRODUCTION I
- COM 3304 - TELEVISION PRODUCTION II

Take one course from the following:

- COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT OR

- COM 331 I - ELECTRONIC MEDIA PROGRAMMING
- COM 333 I - MEDIA ETHICS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM

Related Electives

- Take 21 credits from the ACC, BUS, CIS, COM, JN, or THT prefixes

Total Credit Hours: 54

MASS COMMUNICATION JOURNALISM CONCENTRATION

Offered by the Department of Communication

Professor Young (chairperson)

Associate Professors Hoy, Wright

Assistant Professors Bernum, Lohrey, Lucas, Mason, McIntyre, Pieper

The global information age has accelerated demand for persons equipped with journalism skills. Our program enhances students' abilities to gather, write and manage news and information.

The program mixes professional training and surveys the role of the media in society. Related electives allow students to combine journalism skills with career interests such as technical writing, environmental journalism, graphics, sports writing and more. Some potential careers are print journalists, electronic journalists, news editors, information specialists, copywriters, and creative writers.

Mission Statement

The mission of the Mass Communication program is to serve our students, Mansfield University and our region through academic, extracurricular and cultural activities that promote the development of communication competence, critical analysis, an ethical foundation, respect for diversity, an understanding for the importance of research and recognition of the value of service, thus preparing our students for careers in their chosen fields.

Learning Outcomes

- Journalism majors will be able to gather information, analyze and evaluate the information and write a news story.
- Appreciation of the interactions between journalists and politicians that shaped the first 200 years of American journalism and helped shape the first 200 years of American history.
- Journalism majors will be able to gather information, analyze and evaluate the information and write a feature story

Internship

Qualified students are encouraged to participate in the Department's successful internship program. The intern applicant must have 90 earned credits prior to the start of the internship, a 2.5 overall GPA and a 3.0 in the major to qualify. Internships may be completed for 6-12 credits for the internship experience. A student may only complete one internship experience for credit.

Program Requirements:

**Mass Communication, Journalism Concentration (B.S.):
120 s.h.**

- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM
- JN 2200 - CRISIS NEWS ANALYSIS
- JN 2210 - MEDIA DESIGN
- JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING
- JN 3320 - MAGAZINE WRITING AND PRODUCTION
- JN 3330 - CONTEMPORARY ISSUES IN JOURNALISM

Related Electives

- Take 24 credits from the CIS, COM, or JN prefixes

TOTAL CREDIT HOURS: 54

MASS COMMUNICATION PUBLIC RELATIONS CONCENTRATION

Offered by the Department of Communication

Professor Young (chairperson)

Associate Professors Hoy, Wright

Assistant Professors Bernum, Lohrey, Lucas, Mason, McIntyre, Pieper

The Public Relations concentration is excellent preparation for positions in many different public relations areas: an account executive at an advertising agency, a brand manager for a consumer product, a public relations director for a hospital, an information specialist for a non-profit organization, a sports information director, an owner of an advertising and public relations firm - with over 300 different career choices. Qualified students are encouraged to participate in the Department's successful internship program.

Mission Statement

The mission of the Mass Communication program is to serve our students, Mansfield University and our region through academic, extracurricular and cultural activities that promote the development of communication competence, critical analysis, an ethical foundation, respect for diversity, an understanding for the importance of research and recognition of the value of service, thus preparing our students for careers in their chosen fields.

Internship

Qualified students are encouraged to participate in the Department's successful internship program. The intern applicant must have 90 earned credits prior to the start of the internship, a 2.5 overall GPA and a 3.0 in the major to qualify. Internships may be completed for 6-12 credits for the internship experience. A student may only complete one internship experience for credit.

Learning Outcomes

- Public Relations majors will be able to explain an organization's public relations efforts and how the organization is portrayed in the media.
- Public Relations majors will be able to develop appropriate communication material to target specific audiences and media.
- Public Relations majors will be able to evaluate an organization's use of social media.
- Public Relations majors will be able to evaluate a public relations campaign that they've implemented for an organization.

Program Requirements: Mass Communication, Public Relations Concentration (B.S.): 120 s.h.

- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 3320 - PUBLIC RELATIONS WRITING TECHNIQUES
- COM 3322 - CASE STUDIES IN PUBLIC RELATIONS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4401 - PERSUASION
- COM 4420 - PUBLIC RELATIONS WORKSHOP
- COM 4425 - PUBLIC COMMUNICATION
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM

Related Electives

- Take 24 credits from the ACC, BUS, CIS, COM, JN, or THT prefixes

TOTAL CREDIT HOURS: 57

MATHEMATICS EDUCATION BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim Chairperson), Lienhard
Associate Professors D'Ortona, Haner, Junius, Phillips,
Savoye

Assistant Professors L. Iseri, Sim

Mathematics Programs Mission

The goal of the B.S.Ed. in Mathematics is to provide high quality education in mathematics meeting the instructional and professional needs of our students, and to nurture in them an appreciation of mathematics, abstraction, rigor, and justification. Our instructional programs incorporate the standard core topics as well as more specialized areas.

The department seeks to prepare majors and to provide service courses for general education as well as other programs. We aim to prepare our majors both for mathematically related careers in education, government, the private sector, and for graduate studies in mathematics. Our general education mission is to prepare students to effectively use quantitative and symbolic reasoning and analysis in their personal and professional lives, while our service mission to other programs is to provide coherent, effective and efficient courses appropriate to their needs. Mathematics Education is nationally recognized by the National Council of Teachers of Mathematics (NCTM), 1906 Association Drive, Reston, VA 20191, 800-235-7566, <http://www.nctm.org/>.

Vision Statement

The vision of the Mathematics programs is to continue to maintain the integrity and rigor in our students' learning in mathematics and to consistently strive to bring new and interesting ideas to our curriculum.

Core Values

The core values guiding the Mathematics programs are:

- Commitment to high-quality undergraduate education and student success.
- Quality assurance of academic programs.
- Continuous program improvement through assessment of program educational objectives and student outcomes.
- Development of new initiatives and curriculum by challenging traditionally accepted ideas.
- Continued professional development of faculty members and scholarly contributions to the discipline with student participation.
- Seamless transfer of students through articulation agreements with 2-year community colleges.

- Building ties to K-12 groups, community colleges, and local industry.
- Participation in shared governance of departmental affairs.
- Service to the department, University, community, and discipline.

Goals

The overall goals of all of the mathematics related programs are to provide students with the knowledge, skills and attitudes which will enable them to:

- think critically and communicate clearly mathematical concepts and solutions to real-world problems,
- be prepared for life-long learning,
- exhibit positive attitudes and values toward the discipline, so that they can contribute to an increasingly complex and dynamic society, and
- have an appropriate set of professional skills to ensure a productive career.

Program Outcomes

- **Content Knowledge:** Students will gain an understanding and awareness of the key concepts found in a variety of standard subject areas, and in the pedagogy of those subjects. The particular areas will include most of the following depending on the concentration and student: calculus, logic, set theory, linear algebra, probability and statistics, differential equations, geometry, abstract algebra, real analysis, numerical analysis, operations research, and the history of mathematics.
- **Proof and Justification:** Students will develop the skills necessary to formulate and understand proofs and to provide justification.
- **Abstract reasoning:** Students will develop the ability to reason abstractly and rigorously.
- **Technology:** Students will develop skills necessary to use technology in doing and learning mathematics.

Program Requirements: Mathematics Education (B.S.Ed.): 124 s.h.

- ED 1105 - EDUCATION FIRST YEAR SEMINAR: BECOMING A PROFESSIONAL
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY

Take one course from the following:

- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Take one course from the following:

- MA 3329 - UNIFORM GEOMETRIES
- MA 3330 - NON-UNIFORM GEOMETRIES

Take one course from the following:

- MA 3361 - MODERN ALGEBRA - GROUPS
- MA 3362 - MODERN ALGEBRA - RINGS

Mathematics Electives

- Take 12 credits of Upper Division (3000 or 4000 level) courses from the MA prefix

Take one course from the following:

- PHY 1191 - PHYSICS I
- PHY 2210 - GENERAL PHYSICS I
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Take one course from the following:

- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3321 - ADOLESCENT PSYCHOLOGY

Professional Education

- ED 1110 - FOUNDATIONS OF EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3314 - TEACHING SECONDARY MATHEMATICS
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

TOTAL CREDIT HOURS: 91

MATHEMATICS

BACHELOR OF SCIENCE

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim Chairperson), Lienhard
Associate Professors D'Ortona, Haner, Junius, Phillips,
Savoye

Assistant Professors L. Iseri, Sim

Mathematics Program's Mission

The goal of the instructional program in Mathematics is to provide high quality education in mathematics meeting the instructional and professional needs of our students, and to nurture in them an appreciation of mathematics, abstraction, rigor, and justification. Our instructional programs incorporate the standard core topics as well as more specialized areas. Two concentrations are offered, applied mathematics and pure mathematics.

The department seeks to prepare majors and to provide service courses for general education as well as other programs. We aim to prepare our majors both for mathematically related careers in education, government, the private sector, and for graduate studies in mathematics. Our general education mission is to prepare students to effectively use quantitative and symbolic reasoning and analysis in their personal and professional lives, while our service mission to other programs is to provide coherent, effective and efficient courses appropriate to their needs.

Vision Statement

The vision of the Mathematics programs is to continue to maintain the integrity and rigor in our students' learning in mathematics and to consistently strive to bring new and interesting ideas to our curriculum.

Core Values

The core values guiding the Mathematics concentrations are:

- Commitment to high-quality undergraduate education and student success.
- Quality assurance of academic programs.
- Continuous program improvement through assessment of program educational objectives and student outcomes.
- Development of new initiatives and curriculum by challenging traditionally accepted ideas.
- Continued professional development of faculty members and scholarly contributions to the discipline with student participation.
- Seamless transfer of students through articulation agreements with 2-year community colleges.
- Building ties to K-12 groups, community colleges, and local industry.

- Participation in shared governance of departmental affairs.
- Service to the department, University, community, and discipline.

Goals

- The overall goals of all of the mathematics related programs are to provide students with the knowledge, skills and attitudes which will enable them to:
- think critically and communicate clearly mathematical concepts and solutions to real-world problems,
- be prepared for life-long learning,
- exhibit positive attitudes and values toward the discipline, so that they can contribute to an increasingly complex and dynamic society, and
- have an appropriate set of professional skills to ensure a productive career.

Core Program Outcomes

The following core program outcomes will be achieved by all students in the B.S. Mathematics degree program, regardless of concentration.

- **Common Mathematics Content Knowledge:** Students will gain an understanding and awareness of the key concepts found in the standard subject areas of calculus, logic, set theory, linear algebra, probability and statistics, and the history of mathematics.
- **Proof and Justification:** Students will develop the skills necessary to formulate and understand proofs and to provide justification.
- **Abstract reasoning:** Students will develop the ability to reason abstractly and rigorously.
- **Technology:** Students will develop skills necessary to use technology in doing and learning mathematics.

Program Requirements: Mathematics Major (B.S.): 120 s.h.

APPLIED MATHEMATICS CONCENTRATION

Applied Mathematics Concentration Outcomes

This concentration places an emphasis on the mathematical tools used in other disciplines.

Students completing the Applied Mathematics concentration will achieve the following in addition to the core outcomes for the B.S. Mathematics degree:

- **Applied Mathematics Content Knowledge:** Students will gain an understanding and awareness of the key concepts found in the application of the subject areas of differential equations, numerical analysis, and operations research.

Applied Mathematics Concentration Courses:

- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY
- MA 3308 - OPERATIONS RESEARCH
- MA 3311 - DIFFERENTIAL EQUATIONS I
- MA 3312 - DIFFERENTIAL EQUATIONS II
- MA 3314 - APPLIED PROBABILITY AND STATISTICS
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Mathematics Electives

- Take 12 credits of Upper Division (3000 or 4000 level) courses from the MA prefix

TOTAL CREDIT HOURS: 50

PURE MATHEMATICS CONCENTRATION

Pure Mathematics Concentration Outcomes

This concentration is appropriate for students considering graduate studies in Mathematics.

- Pure Mathematics Content Knowledge: Students will gain an understanding and awareness of the key concepts found in the subject areas of geometry, abstract algebra, and real analysis.

Pure Mathematics Concentration Courses

- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY
- MA 3314 - APPLIED PROBABILITY AND STATISTICS
- MA 3345 - REAL ANALYSIS I

Take one course from the following:

- MA 3361 - MODERN ALGEBRA - GROUPS
- MA 3362 - MODERN ALGEBRA - RINGS

Mathematics Electives

- Take 15 credits of Upper Division (3000 or 4000 level) courses from the MA prefix

TOTAL CREDIT HOURS: 42

MUSIC EDUCATION BACHELOR OF MUSIC

Offered by the Department of Music

Professors: Boston, Brennan, Dettwiler, Galloway, Kim, Monkelien, Murphy, Sarch

Associate Professors: Dodson-Webster, Gregorich (chairperson), Laib, Moulton, Wetzel

Assistant Professors: Jacobsen, McEuen, Ranney, Rinnert, Rose, Walters

The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty.

The Music Department offers two degrees and four majors: The B.A. degree with a major in Music, the B.M. degree with a major in Music Education, the B.M. degree with a major in Music Performance with three areas of concentration (Instrumental, Vocal, and Keyboard), and a B.M. degree with two areas of concentration (Elective Studies in Business and an Emphasis in Music Technology). Please refer to the department website (<http://music.mansfield.edu>) for audition information and other entrance requirements.

The Bachelor of Music Education program is designed to meet the certification requirements set by the Commonwealth of Pennsylvania. Completion of the music education degree prepares students to teach both vocal and instrumental music at the pre-K through high school levels. Students have opportunities observe, participate, and teach in school settings prior to student teaching to give them more experience in the classroom while at Mansfield University. The degree concludes with a term of student teaching that includes a professional seminar focusing on resume and cover letter writing, mock interviews, and certification procedures.

The Music Department is an accredited member of the National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248, (703) 437-0700, (nasm.arts-accredit.org/).

Mission, Vision, and Values

The Faculty of the Mansfield University Music Department are dedicated to the development of musical excellence in all aspects of our programs. We promote leadership skills which emphasize Character, Scholarship, Culture and Service through a personalized educational environment using music as our communication tool. We are committed to stimulating the continuous pursuit of learning, performance and skill acquisition. We recognize and embrace the important role our liberal arts core education provides our students. To accomplish this mission the department pledges:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty and advocacy through character education. Courage, integrity, and honor exemplify our core values. As the art of music demands honesty and integrity, so too, will we expect our department to promote and encourage these values in all we do.
2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in music. We will embrace the use of rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, musical performance and scholarship.
3. We will enhance culture. We will serve and lead the region and beyond in promoting diversity and cultural awareness through music. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse and performance, we will create meaningful experiences that compel us towards understanding and compassion for all humanity.
4. We will advocate service. Knowledge invests us with the power to improve our world and the responsibility to act. We will be engaged in our community. Our students, faculty and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of music in the enrichment of the human spirit.

Department Goals

- To prepare competent musicians, who are able to function in the career area of their choice, in an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values.
- To offer music courses, ensembles, applied music instruction and concerts to the university community.
- To maintain a diversified faculty with expertise appropriate to curricular needs.
- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview

understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertoire.

2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music—effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.
8. Students will communicate effectively in written form.
9. Students will demonstrate their proficiency on the piano/ keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.

Program Outcomes for the Music Education Degree Program

- Mansfield University Music Education students will pass and compare favorably to students from other institutions on standardized music tests, graduate and secure professional positions.
- MU students who have completed their student teaching will be perceived as prepared for teaching and an asset to the profession by their cooperating teachers.
- Students will be able to demonstrate basic conducting skills in a variety of classroom and ensemble settings.
- Students will be able to demonstrate the ability to play a variety of classroom instruments and also to demonstrate proper playing techniques on varied band and orchestral instruments.
- Students will be able to plan and prepare effective

music instruction leading to student learning.

- Students will be able to deliver effective and appropriate music instruction leading to student learning.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at <http://music.mansfield.edu/auditions/>. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at <http://music.mansfield.edu/student-resources/>. Prior to the completion of the program students are required to perform a solo recital on their primary instrument or voice. See the "Teacher Education Certification" section in the "University Policies" section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

Program Requirements: Music Education (B.M.): 129 s.h

- ED 2205 - EDUCATIONAL PSYCHOLOGY
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

Take one course from the following:

- MU 3330 - CHORAL CONDUCTING
- MU 3331 - INSTRUMENTAL CONDUCTING
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Take 14 credits of Major Applied Music

Take 12 credits of Secondary Applied Music

- MAP 1121, MAP 1122, and MAP 1123 are required
- MAP 1124, MAP 1125, and MU 3352 are also required

for Voice major

Take 7 credits of Ensemble

- Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.
- Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350
- Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350
- Voice - MEN 3300 or 3301
- Strings - MEN 3350

Professional Education

- MU 1100 - FOUNDATIONS OF MUSIC EDUCATION
- MU 3241 - GENERAL MUSIC METHODS K-12
- MU 3291L - HIGH INCIDENCE DISABILITIES - MUSIC LAB
- MU 3305 - TECHNOLOGY IN MUSIC EDUCATION

Take one course from the following:

- MU 4330 - VOCAL-CHORAL MUSIC IN THE PUBLIC SCHOOLS
- MU 4331 - INSTRUMENTAL MUSIC IN THE PUBLIC SCHOOLS
- MU 4400 - STUDENT TEACHING
- MU 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

TOTAL CREDIT HOURS: 98

MUSIC PERFORMANCE BACHELOR OF MUSIC

Offered by the Department of Music

Professors: Boston, Brennan, Dettwiler, Galloway, Kim, Monkelien, Murphy, Sarch

Associate Professors: Dodson-Webster, Gregorich (chairperson), Laib, Moulton, Wetzel

Assistant Professors: Jacobsen, McEuen, Ranney, Rinnert, Rose, Walters

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The Music Department offers two degrees and four majors: The B.A. degree with a major in Music, the B.M. degree with a major in Music Education, the B.M. degree with a major in Music Performance with three areas of concentration (Instrumental, Vocal, and Keyboard), and a B.M. degree with two areas of concentration (Elective Studies in Business and an Emphasis in Music Technology). Please refer to the department website (<http://music.mansfield.edu>) for audition information and other entrance requirements.

The B.M. in Music Performance is available in piano, guitar, voice, percussion, and any standard string, brass, and woodwind instrument. Students must successfully complete a live audition for admission to this program. Completion of a performance degree will prepare students for further study in music at the master's level. Mansfield University is proud to offer this degree to exceptional musicians whose career goals are to perform professionally.

The Music Department is an accredited member of the National Association of Schools of Music (NASM).

Mission, Vision, and Values

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2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in music. We will embrace the use of rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, musical performance and scholarship.
3. We will enhance culture. We will serve and lead the region and beyond in promoting diversity and cultural awareness through music. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse and performance, we will create meaningful experiences that compel us towards understanding and compassion for all humanity.
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Department Goals

- To prepare competent musicians, who are able to function in the career area of their choice, in an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values.
- To offer music courses, ensembles, applied music instruction and concerts to the university community.
- To maintain a diversified faculty with expertise appropriate to curricular needs.
- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertoire.
2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music—effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.

Students will communicate effectively in written form.

1. Students will demonstrate their proficiency on the piano/ keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.

Outcomes for the Music Performance Degree Program

1. Students will successfully perform a full recital consisting of a representative sample of repertoire.
2. The majority of performance students will be admitted to post baccalaureate programs where they will continue their career development as professional performing musicians or will secure work in related performance fields.
3. Students will demonstrate effective pedagogical techniques in their major applied area.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at <http://music.mansfield.edu/auditions/>. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at <http://music.mansfield.edu/student-resources/>. Students must successfully complete a junior and senior recital prior to the completion of this degree program.

Program Requirements: Music Performance, (B.M.):120 s.h.

- MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

Take one course from the following:

- MU 3330 - CHORAL CONDUCTING
- MU 3331 - INSTRUMENTAL CONDUCTING

Take one course from the following:

- MU 3323 - STUDIES IN KEYBOARD LITERATURE
- MU 4420 - SONG LITERATURE
- MU 4429 - ADVANCED STUDIES MUSIC LITERATURE

Take one course from the following:

- MU 4471 - VOCAL PEDAGOGY
- MU 4472 - PIANO PEDAGOGY
- MU 4474 - STRING PEDAGOGY
- MU 4475 - WOODWIND PEDAGOGY
- MU 4476 - BRASS PEDAGOGY
- MU 4477 - PERCUSSION PEDAGOGY

Take 32 credits of Major Applied Music

Take 3 credits of Secondary Applied Music

- MAP 1121, MAP 1122, and MAP 1123 are required

Take 12 credits of Ensemble

- Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.
- Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350
- Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350
- Voice - MEN 3300 or 3301
- Strings - MEN 3350

Music Electives

- Take 4 credits from the MU prefix
- MU 3352 and MU 3353 are required for Vocal Performance majors

TOTAL CREDIT HOURS: 83

MUSIC BACHELOR OF ARTS

Offered by the Department of Music

Professors: Boston, Brennan, Dettwiler, Galloway, Kim, Monkelien, Murphy, Sarch

Associate Professors: Dodson-Webster, Gregorich (chairperson), Laib, Moulton, Wetzel

Assistant Professors: Jacobsen, McEuen, Ranney, Rinnert, Rose, Walters

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The Bachelor of Arts in Music program provides a broad education in music rather than a heavy concentration on any single area. Students enrolled in this program develop musicianship and performance abilities as well as an intellectual understanding

of the arts within the framework of a liberal arts degree. The program is appropriate for undergraduates who wish to major in music irrespective of specific career aspirations. It serves individuals who seek a broad program in general education rather than intense specialization at the undergraduate level.

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- To offer music courses, ensembles, applied music instruction and concerts to the university community.
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- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertoire.
1. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
2. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
3. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music—effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
4. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
5. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
6. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.
7. Students will communicate effectively in written form.
8. Students will demonstrate their proficiency on the piano/ keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.

Additional Outcome for the B.A. in Music

1. Students will identify a secondary field of interest and write knowledgeably and effectively on that subject, preferably as it relates to music, either in the abstract or within a professional framework.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at <http://music.mansfield.edu/auditions/>. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at <http://music.mansfield.edu/student-resources/>.

Program Requirements: Music (B.A): 120 s.h.

Take 3 credits from the ARH,ART, or THT prefixes

- MU 221 I - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 331 I - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

Take 16 credits of Major Applied Music

Take 3 credits of Secondary Applied Music

- MAP 1121, MAP 1122, and MAP 1123 are required

Take 8 credits of Ensemble

- Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.
- Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350
- Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350
- Voice - MEN 3300 or 3301
- Strings - MEN 335

Music Electives

- Take 3 credits from the MAP, MEN, or MU prefixes
- Total Credit Hours: 54

MUSIC: GENERAL ELECTIVE STUDIES IN BUSINESS AND EMPHASIS IN MUSIC TECHNOLOGY

Offered by the Department of Music

Professors: Boston, Brennan, Dettwiler, Galloway, Kim, Monkelien, Murphy, Sarch

Associate Professors: Dodson-Webster, Gregorich (chairperson), Laib, Moulton, Wetzel

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These programs are designed to help prepare young musicians for careers in music and the music industry in a wide range of fields, including arts management and promotion, music products merchandising, publishing, music technology, multimedia, or studio recording and production. Students may choose to pursue a concentration in 1) Elective Studies in Business or 2) Emphasis in Music Technology.

The concentration with Elective Studies in Business combines professional studies in music with an 18-credit block of electives in business. Students may follow one of three tracks that follow the same requirements as defined by the Business department for minors in business administration, management, or marketing.

The concentration with and Emphasis in Music Technology combines professional studies in music with coursework in computer-based music notation, electronic music, recording, and studio production techniques. Additional coursework is drawn from the Communications and Computer Information Science departments in order to develop the student's basic understanding of mass media and relevant computer technologies.

Students in both concentrations take Survey of Music Business and complete the degree with a 14-week internship in a music industry area of the student's interest or intended employment. The internship is normally done during the final semester or summer after all other course work has been completed.

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2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music—effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.

6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.
8. Students will communicate effectively in written form.
9. Students will demonstrate their proficiency on the piano/ keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.

Outcomes for the Elective Studies in Business concentration

1. Students will develop a coherent background in at least one area of business studies, chosen from the fields of 1) business administration, 2) management, or 3) marketing. Elective coursework in one of these three fields should conform to the requirements for a corresponding Business Department minor.
2. Students will demonstrate a broad knowledge of the music industry.
3. Students will gain direct working experience with at least one music related business.

Outcomes for the Emphasis in Music Technology concentration

1. Students will develop an awareness of computer technology and digital media as it is applied in other fields (such as computer science and broadcasting)
2. Students will gain experience and expertise in music technology hardware and software for recording, editing, mixing, applying audio effects, MIDI sequencing, and notation.
3. Students will demonstrate a broad knowledge of the music industry.
4. Students will gain direct working experience with at least one music technology-related business.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at <http://music.mansfield.edu/auditions/>. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic

reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at <http://music.mansfield.edu/student-resources/>.

Program Requirements: Bachelor of Music: General, Elective Studies in Business and Emphasis in Music Technology (B.M.): 120 s.h.

- MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV
- MU 3313 - ELECTRONIC MUSIC I
- MU 4481 - SURVEY OF THE BUSINESS OF MUSIC
- MU 4489 - INTERNSHIP: MUSIC INDUSTRY

Take 14 credits of Major Applied Music

Take 3 credits of Secondary Applied Music

- MAP 1121, MAP 1122, and MAP 1123 are required

Take 7 credits of Ensemble

- Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.
- Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350
- Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350
- Voice - MEN 3300 or 3301
- Strings - MEN 3350

EMPHASIS IN MUSIC TECHNOLOGY

- Take 1 CIS course, CIS 1115 or higher
- CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 3270 - AUDIO PRODUCTION
- MU 4413 - STUDIO PRODUCTION TECHNIQUES
- MU 4414 - RECORDING ARTS

ELECTIVE STUDIES IN BUSINESS: BUSINESS ADMINISTRATION TRACK

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- FIN 3301 - INTRODUCTION TO FINANCE
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

ELECTIVE STUDIES IN BUSINESS: MANAGEMENT TRACK

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- MGT 2230 - MANAGEMENT PRINCIPLES
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

Elective

- Take 3 credits Management Electives by advisement

ELECTIVES STUDIES IN BUSINESS: MARKETING TRACK

- MKT 3330 - MARKETING
- MKT 3370 - SALESMANSHIP

Electives

Take four courses from the following:

- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- MKT 3334 - MARKETING RESEARCH
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4423 - BUSINESS-TO-BUSINESS MARKETING
- MKT 4426 - E-MARKETING
- TRT 3300 - THE TRAVEL CONSUMER

TOTAL CREDIT HOURS: 83

NURSING

BACHELOR OF SCIENCE IN NURSING

Offered by the Department of Health Sciences

Professors Sheehe (chairperson), Wright, K.

Associate Professors Evans, Maisner

Assistant Professors Decker, Klesh, Materese, Oakes, Urban, Valverde, Zaparzynski

Instructors Ferrito, Greer, Hanlon, Lanzara, Vosburgh

Mansfield University's Department of Health Sciences offers a nursing program that blends the resources of a public university and a regional medical center. This combination leads to a program that is both academically and clinically strong. The curriculum provides a solid background in nursing as well as the liberal arts and sciences.

Students who are unlicensed spend their first two years on the Mansfield campus taking courses in general education and nursing. The second two years are at the Sayre site where they engage in a wide range of clinical experiences at the Robert Packer Hospital and other community hospitals. Students also have opportunities to learn in community settings such as nursing homes, elementary and secondary schools, nursery schools, and outpatient clinics, in addition to traditional public health agencies. Students who are already licensed as professional nurses, take courses that build on their previous education and nursing background. The overall objectives for both licensed and unlicensed students are to enhance intellectual curiosity, build clinical judgment, improve communication skills, and develop therapeutic nursing skills which provide the foundation for successful careers in professional nursing as well as strong underpinnings for graduate study.

The Bachelor of Science in Nursing is accredited by The National League for Nursing Accrediting Commission (NLNAC), 3343 Peachtree Road, NE, Suite 500, Atlanta, GA 30326. (404-975-5020; www.nlnac.org)

Mission

The mission of the Mansfield University baccalaureate nursing program is to prepare graduates who demonstrate clinical judgment, nursing knowledge, and interpersonal skills necessary to perform as professionals in primary, secondary, and tertiary care settings.

Vision

The MU baccalaureate in nursing program will produce graduates who are recognized for their excellence in practice.

Values

The Mansfield University nursing faculty value the Mansfield Creed, and interpret the characteristics of the Creed in nursing terms as:

- Character: Demonstrating integrity and professionalism
- Scholarship: Generating knowledge and engaging in lifelong learning
- Culture: Demonstrating cultural competence and promoting social justice
- Service: Caring for and improving the lives of individuals, groups, and communities.

Program Goals

- Integrate nursing knowledge with the liberal arts and sciences
- Provide an environment that promotes nursing excellence, professionalism, and a commitment to lifelong learning
- Promote faculty development in teaching, nursing practice, and nursing scholarship

Program Student Learning Outcomes

Graduates of the program will:

- Demonstrate clinical judgment through the application of theories, concepts and research from the scientific, humanistic, and nursing disciplines.
- Implement therapeutic nursing interventions in the care of individuals, families and communities utilizing the nursing process in compliance with the ANA's Nursing: Scope and Standards of Practice (2010).
- Integrate communication skills required for the role of a generalist professional nurse as a practitioner, educator, collaborator, leader and advocate in providing health care for individuals, families and communities
- Demonstrate legal, ethical, and professional behaviors and accountability in all nursing roles.

Policies and Procedures specific to the nursing major:

Admissions: Unlicensed - Criteria for admission shall be the same as that for general admission to the University with these exceptions: Applicants must submit satisfactory reports of medical examination with specific immunizations prior to the opening of the school term, and have completed the following subjects in high school:

- English, four (4) credits, History or Social Studies, three (3) credits, Lab sciences, two (2) credits (Biology and Chemistry required) (LPNs and RNs with integrated curricula may meet this requirement.), Math, two (2) credits, one of which must be algebra

Admissions: Licensed

Graduation from an accredited nursing program
Minimum 2.7 GPA required

Minimum Academic Requirements for Licensed and

Unlicensed: Students are subject to all university academic requirements. The following academic requirements apply only to continuance in the nursing program at the University.

- A. Required courses for the B.S. degree in Nursing (BSN) are not included in the University Pass/Fail policy.
- B. Students must be enrolled as a nursing major to enroll in NUR prefix courses.
- C. A grade of C or better must be achieved in all nursing (NUR) courses.
- D. An unsatisfactory grade in the clinical component of a nursing course will result in an F grade for the course.
- E. Requirements for the Bachelor of Science degree in Nursing must be completed within seven years.
- F. Program Progression:
 - 1. A student will not be allowed to register for NUR 3270, NUR 3271 and NUR 3370 if he or she has a cumulative GPA of less than 2.7
 - 2. Students must have successfully completed BSC 1121 and BSC 1122 (or equivalent course or instructor permission) with a grade of C to enroll in NUR 3270.
 - 3. Once a student meets the requirements of moving to upper division courses (NUR 3300 to 4999), he/she may proceed if his/her cumulative average falls below 2.7, if he/she has received a grade of C or above in all nursing prefix courses.
 - 4. If a first year student has not met nursing program standards by the end of the Spring term, he/she will be dropped from NUR prefix courses in which he/she has registered. All other students not meeting nursing standards will be dropped from nursing courses at the end of the semester during which they do not meet standards. When the student has met the nursing program requirements, he/she must contact the nursing program Academic Progression and Retention committee to see if a seat is available. The student can progress if a seat is available; a seat will not be saved for a student who has dropped below nursing program standards. If more than 40 students meet the standards for progression to the junior level, students who have consistently met program standards will be given priority. Decisions are made on grade point averages.

- 5. A grade of C (C) or better in CHM 1110, BSC 1121, BSC 1122, BSC 3271 (or equivalent courses) is required to progress in the nursing program.

G. Program Academic Dismissal:

- 1. Students who fail to achieve a C grade or better after taking a nursing (NUR) course for the second time will be automatically dismissed from the nursing program.
- 2. Only one nursing (NUR) course may be repeated for the entire nursing program. If a student receives a C minus (C-) or below in a second nursing course, the student will be dismissed from the program.
- 3. Students will not be readmitted to the nursing program after receiving a C minus (C-) or below in two nursing courses.

H. Program Health/Background Requirements:

- 1. Students must meet all clinical agency health and background check requirements. These may include specific background checks, urine drug testing, and a respirator fit test. CPR certification, specific immunizations, malpractice insurance and health insurance are required. Students will be expected to cover the cost of these items. If a student does not comply with any of these requirements, he/she will receive a failing grade in the clinical component of the course. Students' academic and health information will be shared if requested in writing by clinical agency.
- 2. Any new or existing health (or other) condition that may put the student, staff, faculty or patient in jeopardy must be reported to the nursing program faculty. Written documentation from a physician stating the student is safe to return to class and/or clinical must be submitted to the nursing program. If the nursing program faculty becomes aware that this policy has not been followed, program dismissal may result.

I. Nursing Program Attendance Policy:

It is imperative that students attend clinical experiences so that they can meet course objectives. Make-up time is scheduled for each clinical course. If a student is absent from clinical experiences, there is no guarantee that he/she can meet course objectives. If excessive time is missed, he/she may be in danger of not being able to meet course objectives and may be asked to withdraw from the class.

- J. Students are required to purchase the ATI testing package that is used across the nursing curriculum.

- K. Background check information will be shared with clinical agency personnel. If agency personnel deem a student unfit for clinical experience in that agency and no other

comparable experience can be found, the student will fail the nursing course.

- L. The Mansfield University nursing program endeavors to comply with the Americans With Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in nursing. Students who are accepted into the program, and then discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

Licensure Eligibility in Pennsylvania: Applicants to nursing education programs in Pennsylvania should be aware of certain restrictions on obtaining a nursing license. Pennsylvania Public Law No. 317, No. 69, known as the Professional Nursing Law, places the following limitation on licensure eligibility.

The Pennsylvania State Board of Nursing may refuse, suspend or revoke any license in any case where the Board shall find that the applicant

1. Has been convicted or has pleaded guilty or entered a plea of nolo contendere or has been found guilty by a judge or jury of a felony or a crime of moral turpitude, or has received probation without verdict, disposition in lieu of trial or an Accelerated Rehabilitative Disposition in the disposition of felony charges, in courts of this Commonwealth, the United States, or any other state, territory or county;
2. Has committed fraud or deceit in securing his or her admission to the practice of nursing or to nursing school;
3. Is unable to practice professional nursing with reasonable skill and safety to patients by reason of mental or physical illness or condition or physiological or psychological dependence upon alcohol, hallucinogenic or narcotic drugs or other drugs which tend to impair judgment or coordination, so long as such dependence shall continue

For a complete list of reasons why the Board may refuse a professional nursing license to an applicant, please see section 14 of the Professional Nursing Law, 63 P.S. § 224.

One semester hour of class = 15 clock hours; one semester hour of clinical experience = 45 clock hours.

Program Requirements: Nursing (B.S.N.)(Unlicensed Students): 120 s.h.

- BI 3371 - MICROBIOLOGY OR
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- DIT 2211 - INTRODUCTION TO NUTRITION
- MA 1125 - INTRODUCTORY STATISTICS
- NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING
- NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 3370 - NURSING CARE OF THE ADULT CLIENT
- NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILD REARING FAMILIES
- NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I
- NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II
- NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING
- NUR 4471 - COMMUNITY HEALTH NURSING
- NUR 4472 - MENTAL HEALTH NURSING
- NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING
- NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS
- PHL 3380 - HEALTH CARE ETHICS
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Nursing Elective

- Take 3 credits from the NUR prefix

TOTAL CREDIT HOURS: 93

Program Requirements: Nursing (B.S.N.) (Licensed Students): 120 s.h.

- BI 3371 - MICROBIOLOGY OR
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- DIT 2211 - INTRODUCTION TO NUTRITION
- MA 1125 - INTRODUCTORY STATISTICS
- PHL 3380 - HEALTH CARE ETHICS
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Nursing Transfer Credits

- NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING
- NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3370 - NURSING CARE OF THE ADULT CLIENT
- NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILD REARING FAMILIES
- NUR 4472 - MENTAL HEALTH NURSING
- NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS

Nursing Major Credits

- NUR 3261 - HEALTH ASSESSMENT ACROSS THE LIFE SPAN
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I
- NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II
- NUR 4460 - CURRENT ISSUES IN PROFESSIONAL

NURSING

- NUR 4471 - COMMUNITY HEALTH NURSING
- NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING
- Nursing Electives
- Take 11 credits from the NUR prefix

TOTAL CREDIT HOURS: 101

NUTRITION BACHELOR OF SCIENCE

Offered by the Department of Health Sciences

Professors Sheeche (chairperson), Wright, K.

Associate Professors Evans, Maisner

Assistant Professors Decker, Klesh, Materese, Oakes, Urban, Valverde Zaparzynski

Instructors Ferrito, Greer, Hanlon, Lanzara, Vosburgh

The Health Sciences Department offers a degree program in nutrition with concentrations in dietetics or sports nutrition. Students in this major engage in rewarding activities in and out of the classroom. Those wishing to work in fitness and sports should select the sports nutrition concentrations, while those wishing to become registered dietitians must select the dietetics concentration.

The nutrition major prepares students to complete advanced degrees in the field, qualify for post-baccalaureate internships and/ or seek employment upon graduation. Career opportunities in this growing field include jobs as clinical dietitians, foodservice directors, sports nutritionists, corporate nutritionists, private practice dietitians, wellness and weight control experts, and community dietitians in public and private organizations. The dietetics concentration of Mansfield University's Nutrition Program is currently accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Dr., Plaza Suite 2000 Chicago, IL 60606 (312-899-0040 ext5400) acend@eatright.org

Dietetics Concentration

Graduates of this program have two options: (1) to obtain a Commission on Accreditation for Dietetics Education accredited internship in order to become a Registered Dietitian, or (2) to obtain an entry level job.

Sports Nutrition Concentration

Sports nutrition is a rapidly growing field of study. Careers in

sports nutrition involve working with individuals and groups who are healthy, active and highly competitive. The sports nutrition concentration is designed for students who seek graduate studies in related fields or who wish to prepare for careers. Individuals who hope to become Registered Dietitians must complete the dietetics concentration or take additional courses that will qualify them to apply for a post-baccalaureate internship.

Minor

A minor in nutrition is available for students wishing to combine nutrition with other areas of study.

Mission

The mission of the nutrition program at Mansfield University is to integrate Mansfield University's liberal arts emphasis with knowledge and skills necessary for progressing toward goals foundational to careers in foods, nutrition, and dietetics; graduate school; and/or post-baccalaureate internships.

Vision

To provide a student-focused learning environment that allows nutrition students to develop their potential in becoming competent leaders who empower their patients, clients, employees, and communities.

Scholarship

We enthusiastically embrace student learning. We believe students should be actively engaged learners in, as well as out, of the classroom. We believe faculty and students should be life-long learners.

Character

We provide an environment which encourages personal accountability, integrity, honesty, and courage. We create an atmosphere which fosters respect for others whom students may encounter in their personal and professional lives.

Culture

We celebrate the uniqueness of individuals with whom nutrition professionals interact. We provide opportunities for students to learn about the unique needs of humans from a variety of backgrounds.

Service

We support our local community and embrace service learning. We encourage our students to participate in volunteer activities related to the major.

Program Goals

- Provide quality didactic instruction that prepares graduates to apply for acceptance into accredited dietetic internships, graduate school, or entry level careers in nutrition or a related field. (Scholarship)
- Offer encouragement, external motivation, and support to students in an effort to increase the number of students who complete the program. (Culture and Character)

- Prepare students for professional growth and development through membership in pre-professional clubs, professional organizations, attendance at professional meetings, and through community service. (Service)

Program Student Learning Objectives

- Students will demonstrate their ability to use and interpret current research in developing knowledge of nutrition, sports nutrition, and dietetic practice.
- Students will demonstrate the ability to use oral and written communications effectively as individuals and in group settings requiring collaboration and teamwork.
- Students will demonstrate problem solving and critical thinking skills related to medical nutrition therapy. (Dietetics only)
- Students will demonstrate their ability to apply management principles using problem solving and critical thinking skills in hypothetical and actual practice situations. (Dietetics only)
- Students will exhibit understanding of public policy and its effects on health care systems. (Dietetics only)
- Students will demonstrate the ability to make nutrient recommendations for athletes. (Sports nutrition only)
- Students will exhibit the ability to apply their knowledge of problem solving and critical thinking skills in hypothetical and actual sports nutrition practice situations. (Sports nutrition only)

Career opportunities in this growing field include jobs as foodservice directors or sports nutritionists in schools, sports nutritionists in fitness facilities, food and nutrition experts for food manufacturers or grocery store chains, food service directors for various institutions, clinical dietitians in hospitals and, long term care facilities, private practice dietitians, dietitians in wellness and weight control programs; community dietitians for community programs such as the Women, Infants, and Children (WIC) program and employment in a variety of public and private organizations.

Nutrition and dietetics students are subject to all University academic requirements. The following academic requirements apply only to those continuing in the Nutrition and Dietetics Program.

1. Courses required for the B.S. in Nutrition: Dietetics concentration may not be taken Pass/Fail.
2. A grade of "C" or above is required in all nutrition and dietetics (DIT) courses or the course must be repeated.
3. Nutrition and Dietetics courses may be repeated once. Failure to achieve a "C" grade or better after taking the same course for a second time will block the student from enrollment in any further courses with the same prefix offered by Mansfield University.
4. Requirements for the B.S. in Nutrition: Dietetics concentration must be completed in 7 years or the student may need to repeat certain courses.

5. Students must maintain a minimum GPA of 2.5.
6. All academic standards stated above must be met to receive a Verification Statement. This statement is required for a Commission on Accreditation for Dietetic Education accredited internship, licensure and in some states for certification. If a student does not comply with any of these requirements, he/she may receive a failing grade in the clinical component of the course.

Students must meet all clinical agency health requirements. These may include background checks, specific immunizations, urine drug testing, and a respirator fit test. Students will be expected to cover the costs of background checks, immunizations, urine drug testing and respirator fit test.

The Mansfield University Nutrition program endeavors to comply with the Americans with Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in Nutrition. Students who are accepted into the program, and then are discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

Program Requirements:

Nutrition and Dietetics (B.S.): 120 s.h.

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- DIT 2211 - INTRODUCTION TO NUTRITION
- DIT 3305 - PRINCIPLES OF FOOD SCIENCE
- DIT 3314 - NUTRITION THROUGHOUT THE LIFE CYCLE
- DIT 3316 - COMMUNITY NUTRITION
- DIT 3325 - NUTRITION COUNSELING AND EDUCATION
- DIT 4417 - ADVANCED NUTRITION
- DIT 4420 - NUTRITION RESEARCH SEMINAR
- MA 1125 - INTRODUCTORY STATISTICS

Elective

Take 3 credits from the DIT prefix

NUTRITION: DIETETICS CONCENTRATION

- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES
- CHM 2201 - INTRODUCTION TO BIOCHEMISTRY
- DIT 3315 - FOOD SERVICE ORGANIZATION AND MANAGEMENT
- DIT 4401 - MEDICAL NUTRITION THERAPY I
- DIT 4402 - MEDICAL NUTRITION THERAPY II
- DIT 4411 - QUANTITY FOOD PRODUCTION

NUTRITION: SPORTS NUTRITION CONCENTRATION

- CHM 2201 - INTRODUCTION TO BIOCHEMISTRY
- DIT 3330 - SPORTS NUTRITION
- HPE 3360 - KINESIOLOGY
- HPE 3370 - PHYSIOLOGY OF EXERCISE

TOTAL CREDIT HOURS: 56 - 64

ORGANIZATIONAL COMMUNICATION BACHELOR OF SCIENCE

Offered by the Department of Communication

Professor Young (chairperson)

Associate Professors Hoy, Wright, L.

Assistant Professors Bernum, Lohrey, Mason, McIntyre, Pieper

Mission Statement – Organizational Communication

The mission of the Organizational Communication program is to serve our students, Mansfield University and our region through academic, extracurricular and cultural activities which promote the development of communication competence, critical analysis, an ethical foundation, respect for diversity, an understanding for the importance of research and recognition of the value of service, thus preparing our students for careers in their chosen fields.

The Organizational Communication program provides students with an extensive background in human communication study in areas such as business and communication, interpersonal communication, and small group communication. Graduates often seek employment in management, human services, retail, health care, counseling, law or continue to graduate school with the objective of seeking education-based careers. Qualified students are encouraged to participate in the Department's successful internship program.

Learning Outcomes

- Organizational Communication majors will be able to organize people and materials in order to effectively lead and work in a business environment
- Organizational Communication majors will be able to apply organizational and general communication theories
- Organizational Communication majors will be able to demonstrate ability to use social media or communication technology effectively.
- Organizational Communication majors will be able to analyze interpersonal similarities and differences among various diverse populations such as gender, race, and ethnicity
- Organizational Communication majors will be able to design a targeted oral presentation
- Organizational Communication majors will be able to assess the nature of conflict.

Program Requirements:

Organizational Communication (B.S.): 120 s.h.

Core

- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4485 - SMALL GROUP COMMUNICATION

Required

- Group 1
- COM 3332 - CROSS CULTURAL COMMUNICATION
- or
- COM 3334 - GENDER AND COMMUNICATION
- Group 2
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4401 - PERSUASION
- COM 4425 - PUBLIC COMMUNICATION

Electives

Take 9 credits from the following:

- COM 2205 - INTERPRETING COMMUNICATION RESEARCH
- COM 3306 - NONVERBAL COMMUNICATION
- COM 3330 - EFFECTIVE MEETING MANAGEMENT
- COM 3332 - CROSS CULTURAL COMMUNICATION

*when not selected above

- COM 3334 - GENDER AND COMMUNICATION

*when not selected above

- COM 4403 - SPEECH WRITING
- COM 4440 - COMMUNICATION LAW

TOTAL CREDIT HOURS: 33

PHILOSOPHY BACHELOR OF ARTS

Offered by the Department of History, Philosophy and Political Science

Professor Guenther, Newman

Associate Professors Bosworth, Chua, Gaskievicz

(chairperson), Holderby, McEvoy

Assistant Professor Rothermel

The Department offers a major in Philosophy with two optional concentrations: Pre-Law and Applied Philosophy and Professional Ethics.

Mission Statement

Consistent with the goals of a Liberal Arts education, the philosophy major at Mansfield University through its several programs and its courses will:

- develop, implement and/or support efforts to provide disciplined and engaged learning opportunities for all Mansfield University students;
- provide each student accessible, yet high quality, general education courses that emphasize critical thinking and the construction, analysis, and evaluation of arguments;
- develop students' abilities to communicate in written and oral forms their understanding of philosophical issues important in daily living;
- enable students to look at the familiar in unfamiliar ways;
- support, through instruction, advising, and administration, high quality academic major programs in philosophy, applied and professional ethics, and pre-law that appeal to dedicated and motivated students;
- support, through advising and administration, two interdisciplinary minor programs under our jurisdiction—Canadian studies and pre-law
- support the Mansfield University Honors Program through teaching the Honor Humanities I and II core requirements and support other Mansfield University academic areas with specialized courses, including history, political science, nursing, allied health

sciences, organizational leadership, and environmental sciences;

- participate actively in the intellectual life and faculty governance activities of Mansfield University;
- participate actively in the intellectual life of our discipline and offer expertise in public and community service activities, with

Vision Statement

The philosophy department at Mansfield University, through its several major and minor programs, will become a Center for Excellence in the study of philosophy and the application of philosophical principles to further the good of its region, especially in the areas of applied and professional ethics, law, and leadership.

Student Learning Outcomes

- Comprehend arguments presented in a written text
- Comprehend arguments presented orally
- Recognize the assumptions and implications of varied positions
- Analyze concepts and intellectual problems
- Produce cogent philosophical arguments
- Critically evaluate relevant information and issues
- Propose appropriate solutions to problems
- Rationally consider alternative points of view
- Articulate views clearly and effectively
- Identify logical fallacies
- Distinguish weak from strong arguments and the difference between valid and invalid reasoning
- Understand major ethical theories and their applications
- Understand theories in social and political philosophy and their applications
- Argue a philosophically informed position from both sides of contemporary moral and/or social problems
- Aware of basic philosophical views about the acquisition and justification of knowledge
- Aware of basic philosophical views about the nature of reality
- Recognize connections between philosophy and other disciplines

Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are administered by the Philosophy Department.

A Philosophy major provides an excellent grounding in the fundamental ideas and concepts of our culture. It thus explains

a great deal of why we are the way we are and do the things we do. Students are introduced to major philosophers such as Plato, Aristotle, Descartes, and Hume. The major is appropriate for anyone wishing an educationally rewarding and personally challenging undergraduate experience. Because of its emphasis on critical thinking skills, it is especially useful for professions requiring excellence in reasoning, writing, and argumentation. It is the recommended course of study for those wishing to pursue a graduate degree in Philosophy. There is sufficient flexibility in the Philosophy major to allow students to combine Philosophy as a double major with any other university program.

The B.A. degree in Philosophy also offers a Pre-Law concentration that is designed primarily for students who want to attend Law School or work in a law related field. The Pre-Law concentration is an interdisciplinary major that emphasizes the relationship between philosophy and several of the social sciences. The Pre-Law B.A. Program has been carefully designed to help students develop intermediate to advanced skills in critical reasoning, legal argumentation, and judicial analysis. It is a rigorous program intended to challenge students and advance their opportunities in the study of law and requires 36 credit hours of study.

The B.A. degree in Philosophy with a concentration in Applied Philosophy and Professional Ethics is for students who wish to include a significant ethics component in their curriculum. The Applied and Professional Ethics concentration is an interdisciplinary major that emphasizes the relationship between moral theory and moral practice in modern society. With the rapid rise of public interest in ethical issues, this program was designed to help promote ethics education and ethical analysis of professional and social behaviors. It requires 36 credit hours of study.

In addition to the credit hour requirements for each of the philosophy tracks, students majoring in philosophy will be required to complete a capstone project in their final year of study. The capstone will be a research-based, student selected, independent study project undertaken as part of their existing program requirements either (a) during one of the upper level philosophy courses or (b) in a one-credit PHL 4490 seminar, with permission. Students must complete this project with a grade of C or above in order to complete the program requirements for graduation.

Philosophy Pre-Law Concentration

Mansfield University has an active and successful effort in the preparation of students for the study of Law. Central to this program are the Pre-Law Minor and the Pre-Law Association. Pre-Law is administered by the Philosophy Program. The Pre-Law Association is an active, student-funded organization which supplies students with various types of support in preparation for law school. This includes trips to law school fairs, advice concerning LSAT preparation programs, advice on studying for the LSAT, visits to Mansfield University from law school recruiters, advice on applying to law schools, discussions by

visiting alumni attorneys or law students, etc. In order to ensure that students expressing the intention of enrolling in law school will receive the support they need, they will be expected to discuss an appropriate major for themselves with the Pre-Law advisor, depending on the area of law they anticipate practicing.

Program Requirements: Philosophy (B.A.) 120 s.h.

APPLIED PHILOSOPHY AND PROFESSIONAL ETHICS CONCENTRATION

- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 2350 - PHILOSOPHY AND POPULAR CULTURE
- PHL 3340 - ETHICS

Take one course from the following:

- PHL 2200 - CRITICAL THINKING
- PHL 3230 - FORMAL LOGIC
- Take one course from the following:
- PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY
- PHL 3320 - PHILOSOPHY OF LAW

Take one course from the following:

- PHL 4420 - CLASSICAL GREEK PHILOSOPHY
- PHL 4422 - TOPICS IN MODERN PHILOSOPHY

Take three courses from the following:

- PHL 3260 - TOPICS IN PROFESSIONAL ETHICS
- (may be taken more than once if topic changes)
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3365 - SCIENCE AND VALUES
- PHL 3380 - HEALTH CARE ETHICS
- PHL 3390 - EXISTENTIALISM
- PHL 3470 - THEORIES OF MIND AND KNOWLEDGE
- PHL 4490 - SEMINAR

(when topic is appropriate)

- PHL 3310 or PHL 3320 (whichever was not taken to fulfill the above requirement)

Take two courses from the following:

- COM 3331 - MEDIA ETHICS
- COM 3334 - GENDER AND COMMUNICATION
- PSC 3328 - INTERNATIONAL POLITICAL ECONOMY
- PSC 4430 - GLOBAL DEMOCRATICIZATION
- PSY 2421 - DEATH AND DYING
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
-

PHILOSOPHY CONCENTRATION

Take one course from the following:

- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 3230 - FORMAL LOGIC
- PHL 4420 - CLASSICAL GREEK PHILOSOPHY
- PHL 4422 - TOPICS IN MODERN PHILOSOPHY

Take one course from the following:

- PHL 3390 - EXISTENTIALISM
- PHL 3470 - THEORIES OF MIND AND KNOWLEDGE
- PHL 4423 - TWENTIETH CENTURY PHILOSOPHY

Philosophy Electives

- Take 9 Upper Division (3000 or 4000 level) credits from the PHL prefix
- Take 9 credits from the PHL prefix (any level)

PHILOSOPHY, PRE-LAW CONCENTRATION

- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 3230 - FORMAL LOGIC
- PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY
- PHL 3320 - PHILOSOPHY OF LAW
- PHL 3340 - ETHICS

Take one course from the following:

- PHL 4420 - CLASSICAL GREEK PHILOSOPHY
- PHL 4422 - TOPICS IN MODERN PHILOSOPHY
- SCI 1104 - FORENSIC SCIENCE

Philosophy Electives

- Take 6 credits from the PHL prefix

Take two courses from the following:

- BUS 4410 - BUSINESS LAW I
- CJA 3324 - JUDICIAL CRIMINAL PROCESS
- COM 3330 - EFFECTIVE MEETING MANAGEMENT
- COM 4440 - COMMUNICATION LAW
- PSC 3328 - INTERNATIONAL POLITICAL ECONOMY
- PSC 4402 - PRESIDENT AND CONGRESS
- PSC 4404 - COURTS AND THE CONSTITUTION
- PSC 4430 - GLOBAL DEMOCRATICIZATION

TOTAL CREDIT HOURS: 33 - 36

POLITICAL SCIENCE BACHELOR OF ARTS

**Offered by the Department of History, Philosophy and
Political Science**

Professor Guenther, Newman

**Associate Professors Bosworth, Chua, Gaskiewicz
(chairperson), Holderby, McEvoy**

Assistant Professor Rothermel

The Department of History, Philosophy and Political Science offers a B.A. in Political Science. The Department offers minors in History, Political Science, International Studies, and Environmental Studies.

Mission

The mission of the political science major is to promote the skills, knowledge, character, and experiences necessary to produce good leaders and citizens. To that end, our program emphasizes quality teaching, personal advisement, high academic standards, and civic awareness. Students will be challenged to develop skills essential to succeed in a competitive global work force.

Program Goals

Our program will:

- Provide an academically challenging curriculum based around the sub-fields of political science: American politics, comparative politics (politics within countries), and international relations (politics among countries)
- Promote independent thinking, thorough analysis, and critical perspectives on issues and problems
- Instill an appreciation for the complexities of politics and the importance of civic engagement

Program Description

Political Science is a broad social science discipline devoted to the study of government and politics of the US, other countries, and the international system. Our central goal is to produce students with a well-rounded knowledge of the discipline and a set of skills that serve as a basis for careers in any number of fields after graduation.

The study of political science provides an excellent basis to learn new skills and knowledge that can be applied in nearly any field. As a discipline, the focus of study is on the political process and institutions of various political systems, including the United States. However, the analysis of politics and government often involves other disciplines, such as history, economics, philosophy, sociology, anthropology, psychology, business, criminal justice, etc. This explicitly multi-disciplinary approach contributes to well-rounded graduates, which naturally leads them into a wide variety of careers. Moreover, the major emphasizes examining

problems from multiple perspectives, attention to factual details, and the need to continually develop and revise broader theoretical ideas. This academic experience is later utilized by graduates in whatever careers they choose to pursue.

The Political Science program emphasizes the development of a key set of skills that will enhance a graduate's long-term career prospects. Specifically, our courses highlight the importance of reading comprehension, critical and analytical thinking, and written and oral communication skills. For students that choose advanced educational opportunities after graduation, such as law school or graduate school, these skills serve as an essential foundation for future academic success. Other students prefer to directly enter the workforce and these same skills are widely applicable in politics, business, journalism, public administration, criminal justice, communications, marketing, and research. Put simply, the emphasis on skills is designed to allow our graduates to excel in almost any career path. Indeed, our recent graduates have selected careers related to politics, government, business, education, law, and criminal justice.

Students in the program develop a broad body of knowledge about politics and government that serves two further goals. First, the factual basis of government and politics is the subject that we use to develop key skills—reading, analysis, and communication. Knowing the basic structures of government and the rules of political behavior is the basis for contrasting and applying different ideological and philosophical perspectives on politics. Second, a strong knowledge-base serves to help students (and ultimately graduates) exercise leadership and civic engagement. In other words, knowledge of political systems affords students an important advantage to engage in political participation and advocacy.

The curriculum in Political Science reflects our wide-ranging perspective on politics, with courses that range from US politics to regional politics and international relations. These include courses on the presidency and congress, state and local politics, campaigns and elections, civic engagement and participation, US foreign policy, and courts and the Constitution. The department also offers courses about specific regions, such as Latin America and the Middle East, as well as thematic courses about global democratization, political economy, terrorism, human rights and international activism, and international organizations. Moreover, students are encouraged to take additional courses with significant political content outside of the department.

The Political Science major requires a total of 36 credits (typically 12 courses) and provides students maximum flexibility to pursue their interests. Only four courses are specifically required: the foundations courses in each of the three major subfields (American politics, comparative politics, and international relations) and one course in social science methodology. Remaining courses may be selected by the student based on interest and availability. In most cases, courses are relatively small and students receive individual attention. Political Science majors work closely with advisors throughout the program to select appropriate courses in

both the discipline and the General Education program (required of all graduates). As a small—but growing—program, we work to serve the varied needs and interests of our majors as we prepare them for the highly competitive global workforce.

All majors are encouraged, but not required, to consider three key opportunities at Mansfield University. First, we strongly support the study of a foreign language. Developing a foreign language skill requires hard work and dedication, but the benefits include a better understanding of global culture, a way of distinguishing a graduate from the competition, and the further honing of critical thinking skills. Second, we urge majors to take advantage of our extensive study abroad options. A semester-long experience in any foreign country teaches students about the target country, about the US, and about themselves. In most cases, students can take courses toward the major (and the General Education requirements) while overseas. Some study abroad options do not require foreign language experience. Last, we highly recommend that our majors gain some practical work experience through internships. We have placed full-time interns in both Washington DC and Harrisburg, working for government agencies and interest groups. Part-time internships can be arranged locally during the semester and over the summer. Up to 6 credits may be applied toward the major; all credits count toward graduation requirements.

Program Outcomes

The student will :

- identify and explain the underlying principles, actors, institutions, and processes of the U.S. political system.
- identify and explain the underlying principles, actors, institutions, and processes of Western and non-western political systems.
- identify and explain the theories, actors, problems, and issues that affect international relations among countries within a global system.
- contrast and apply different ideological and philosophical perspectives on politics.
- relate current events to political science.
- demonstrate basic geographic knowledge of the world.
- investigate political phenomena using social science methods.
- demonstrate effective communication skills (written and oral).
- use technology to find appropriate sources of information related to politics.
- summarize key concepts and arguments from text.
- construct analytical arguments supported with evidence.
- critically evaluate various perspectives in political science.
- demonstrate an ongoing interest in government and public affairs.

- recognize the complexities and ambiguities of a global and diverse society.

Program Requirements:

Political Science (B.A.): 120 s.h.

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS

Political Science Electives

- Take 18 Upper Division (3000 or 4000 level) credits from the PSC prefix
- Take 6 credits from the PSC prefix (any level)

TOTAL CREDIT HOURS: 36

PSYCHOLOGY BACHELOR OF SCIENCE

Offered by the Department of Psychology

Professors Craig, Keller, Loher, Murray (chairperson)

Associate Professor Brown, verno

Assistant Professors Sechrist

The Psychology Department offers a B.S. degree in Psychology with concentrations in General Psychology, Counseling, Lifespan Development, Mind/Body Health and Human Resource Management. The Psychology major is chosen by students who (1) plan advanced study in the field, (2) intend to seek employment in a related area upon graduation, or (3) seek a liberal arts background within the Psychology major. Many graduates enter advanced degree programs in counseling or related fields.

Minors are available to non-majors in Psychology and Psychology of Human Development. The Psychology minor provides a general survey of the field. The Psychology of Human Development minor provides more focused study in areas of child, adolescent, and adult development. Students are involved in various forms of research under faculty direction. Students present their research at the annual Psychology Research Symposium.

Many students report the internship to be an important part of

their educational experience. For some, the internship leads directly to employment. The Psychology Department maintains relationships with a broad range of organizations that offer internships in counseling, other human services, health care, or business. Advisors work closely with students to plan the internship and ensure that the experience is successful.

Mission

We are a student-centered, academic department committed to teaching and learning about psychology and inspiring student appreciation of a life directed by personal growth and integrity. We prepare students for meaningful careers and personal lives, advanced study in psychology or related areas, and service to the community.

Vision and Values

The Psychology Program strives to live the principles of the *Mansfield Creed: Character, Culture, Scholarship and Service* and to be a place where:

- Students are actively engaged and challenged as they learn about psychology.
- We study, assess, and improve how we teach and how our students learn.
- We pursue academic and professional goals with enthusiasm and integrity.
- There are high standards of scholarship and student-faculty research.
- We recognize the importance of service to others and shared leadership for improvement of the common good.
- We apply learning about psychology to personal and career roles.

Department Goals

- Ensure that students have a well-developed, contemporary understanding of psychology as an academic discipline and profession.
- Promote engaged, state-of-the art learning in all our courses.
- Set high standards for our scholarship and student-faculty research.
- Assess student learning and improve our effectiveness as a department.

Learning Outcomes

The curriculum is designed to ensure that students will be able to:

- Summarize/describe the major concepts and theoretical models, empirical findings, and historical trends in psychology.
- Manage information and related technology competently.
- Think critically and apply a scientific approach to important issues related to behavior and mental processes.

- Use and communicate the language of the discipline with clarity and precision.
- Understand and apply research methods in psychology.
- Communicate clearly, skillfully, and sensitively in a variety of formats and settings.
- Understand the roles psychologists and students with majors in psychology often fill.
- Describe and appreciate sociocultural and diversity issues
- Describe the values that form the underpinnings of psychology and think critically about ethical issues.
- Describe the major laws and regulations that affect professional practice in psychology and related areas.
- Describe psychological principles as they apply to personal, social, and organizational issues.
- Demonstrate insight into their own and others' behavior and mental processes, including effective self-management and self-improvement.
- Demonstrate a commitment to civic engagement and community service.

Policies and Procedures

Careful advisement of students is a priority of the Psychology Department. All students must complete a thorough orientation to the major, and their subsequent studies are guided by a goal-oriented process. All students maintain a portfolio to assess their learning and guide their academic and professional development. The portfolio is submitted for final review in conjunction with the department's Senior Seminar course.

All students in the major must obtain grades of C or higher in PSY 1101 and either PSY 1151 or PSY 3353 (whichever they take upon entering the major) to continue in the program. Students may retake these courses once to meet the standard. Those who fail to meet the standard may not continue in the major and will be advised in the selection of a new major.

To qualify for an internship, students must maintain a B average in the major.

To meet requirements for graduation as a Psychology major, students must (1) satisfy the University's general education and degree requirements, (2) complete the Psychology course requirements, and (3) submit an acceptable portfolio.

Program Requirements: Psychology, (B.S.): 120 s.h.

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 1151 - ORIENTATION TO PSYCHOLOGY
(waived for students entering the program with 45 or more semester hours completed)
- PSY 2206 - RESEARCH METHODS I
- PSY 3353 - CAREER PLANNING

- PSY 4490 - SENIOR SEMINAR

Take one course from the following:

- PSY 4495 - INTERNSHIP
- PSY 4496 - RESEARCH APPRENTICESHIP
- PSY 4497 - INDEPENDENT STUDY
- 6 Upper Division PSY semester hours by advisement

PSYCHOLOGY COUNSELING CONCENTRATION

The Counseling Psychology Concentration is for students considering careers in counseling or other applications of Psychology to helping people in clinical and human service settings.

- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3300 - HELPING SKILLS
- PSY 3301 - THEORIES OF COUNSELING
- PSY 3306 - RESEARCH METHODS II

Take one course from the following:

- PSY 3350 - LEARNING AND COGNITION
- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Take two courses from the following:

- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 4406 - INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY
- PSY 4430 - THEORIES OF PERSONALITY
- PSY 4445 - ADVANCED COUNSELING TECHNIQUES

PSYCHOLOGY GENERAL PSYCHOLOGY CONCENTRATION

The General Psychology Concentration is for students who want a broad exposure to the sub-disciplines within Psychology. Majors in the General Psychology concentration may not choose a 2nd concentration.

- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3310 - SOCIAL PSYCHOLOGY

Take one course from the following:

- PSY 3350 - LEARNING AND COGNITION
- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Psychology Electives

- Take 6 Upper Division (3000 or 4000 level) credits from the PSY prefix
- Take 3 credits from the PSY prefix (any level)
- Psychology, Lifespan Development Concentration

The Lifespan Development Concentration is for students interested in careers that focus on children or other age specific groups in the human lifespan. This concentration will serve as a strong foundation for those who want to pursue advanced studies in developmental psychology or in services to children, adolescents, or aging populations in schools and other applied settings.

- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3306 - RESEARCH METHODS II

Take one course from the following:

- PSY 3350 - LEARNING AND COGNITION
- PSY 3355 - HEALTH PSYCHOLOGY

Take two courses from the following:

- PSY 3292 - CHILD PSYCHOLOGY
- PSY 3321 - ADOLESCENT PSYCHOLOGY
- PSY 3324 - ADULT DEVELOPMENT AND AGING

Take two courses from the following:

- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 2421 - DEATH AND DYING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS
- PSY 4422 - PSYCHOLOGY OF WOMEN

PSYCHOLOGY MIND/BODY HEALTH CONCENTRATION

The Mind/Body Health Concentration is for students interested in the interface between psychological and physical aspects of human beings. Students in this concentration might pursue careers in health applications of psychological science.

- PSY 3306 - RESEARCH METHODS II
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT

- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Take two courses from the following:

- PSY 2212 - HUMAN SEXUALITY
- PSY 2421 - DEATH AND DYING
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 4406 - INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY
- PSY 4422 - PSYCHOLOGY OF WOMEN

Psychology Electives

- Take 3 credits from the PSY prefix (any level)

TOTAL CREDIT HOURS: 38 - 54

PSYCHOLOGY HUMAN RESOURCE MANAGEMENT CONCENTRATION

Offered by the Department of Psychology
Professors Craig, Keller, P., Loher, Murray (chairperson)
Associate Professor Brown, Verno
Assistant Professors Sechrist

Please see Psychology, Bachelor of Science, for additional information and learning outcomes.

Program Requirements: Human Resource Management Concentration Psychology, (B.S.): 120 s.h.

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 1151 - ORIENTATION TO PSYCHOLOGY
(waived for students entering the program with 45 or more semester hours completed)
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 2206 - RESEARCH METHODS I
- PSY 3306 - RESEARCH METHODS II
- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- PSY 3315 - HUMAN RESOURCE MANAGEMENT I
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II
- PSY 3353 - CAREER PLANNING
- PSY 4415 - LABOR RELATIONS
- PSY 4416 - COMPENSATION & BENEFITS
- PSY 4490 - SENIOR SEMINAR

Take one course from the following:

- PSY 4495 - INTERNSHIP
- PSY 4496 - RESEARCH APPRENTICESHIP
- PSY 4497 - INDEPENDENT STUDY

- 6 Upper Division PSY semester hours by advisement

Electives

Take two courses from the following:

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3391 - PSYCHOLOGICAL DISORDERS
- PSY 4430 - THEORIES OF PERSONALITY
- PSY 4441 - FORENSIC PSYCHOLOGY

Electives

Take four courses from the following:

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 3310 - MANAGING DIVERSITY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- MGT 2230 - MANAGEMENT PRINCIPLES
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR OR
- SOC 3301 - ORGANIZATIONAL BEHAVIOR

TOTAL CREDIT HOURS: 54 - 68

RADIOLOGY TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE

Offered by the Department of Health Sciences
Professor Sheeche (chairperson), Wright, K.
Associate Professors Evans, Maisner, McGuire
Assistant Professors Decker, Klesh, Materese, Oakes, Urban, Zaparzynski
Instructors Ferrito, Greer, Hanlon, Lanzara, Vosburgh

Mission

The mission of Mansfield University Radiology Technology Program is to develop competent, entry-level diagnostic radiographers. Graduates will possess knowledge and skills related to positioning patients for radiographic procedures, radiation protection, exposure technique, and image evaluation.

They will also demonstrate excellence in communication, patient care, critical thinking, use of medical ethics, and professionalism.

Graduates will also demonstrate familiarity with specialized radiologic modalities including Mammography, Magnetic Resonance Imaging (MRI), Nuclear Medicine, Vascular Interventional Radiography, Ultrasound, CT Scanning and Radiation Therapy.

By providing a high-quality academic curriculum with associated laboratories and a guided systematic approach to clinical experience, faculty members strive to provide an integrated educational experience.

Through continual self-evaluation and measured outcomes, faculty members also strive to respond to the changing needs of the profession, so graduates become effective members of today's health care team.

Program Goals

- To develop students with skills in the technical aspects of producing and evaluating radiographic images
- To develop students with skills in communication, patient care, critical thinking and use of medical ethical concepts
- To provide the health care community with competent, entry-level diagnostic radiographer
- To promote graduate and employer satisfaction

Program Outcomes

- Students will position patients accurately and select optimal exposure factors.
- Students will apply radiation protection principles
- Students will demonstrate appropriate patient communication and patient care skills
- Students will demonstrate critical thinking while performing patient procedures.
- Students will evaluate radiographic images for appropriate positioning and image quality.
- Students will demonstrate professional and ethical conduct
- Graduates will pass the ARRT Certification Exam on the first attempt.
- Graduates pursuing employment will be employed within six months after program completion.
- Graduates and employers will express satisfaction with the training received during the program.

The Mansfield University Radiology Technology Program trains students to become diagnostic technologists. Diagnostic technologists are valued members of the healthcare team involved in imaging body structures and organs using a variety of procedures and sophisticated equipment. Most people are familiar with radiographic chest examinations and know that

x-ray examinations are the best way to diagnose broken bones. Diagnostic technologists perform these procedures as well as procedures which require the use of contrast agents that make it possible to study organs and blood vessels that otherwise cannot be seen.

You might choose this program because:

- Of the low student/instructor ratio.
- Students are provided with an intensive clinical experience in a small town atmosphere.
- The major clinical site, Robert Packer Hospital, is a Level II Trauma Care facility with helicopter service provided by air ambulance.
- The equipment within the clinical areas is state-of-the-art and the hospital continually upgrades to improve patient service.
- The graduate pass rate on the ARRT certification exam is outstanding.
- Corning Community College transfer and Bloomsburg University Baccalaureate Degree options are available
- Many career advancement opportunities are available

Program Description

The Radiology Technology Program is a full-time, two-year AAS degree program. It is one of several programs in the Mansfield University Department of Health Sciences. Students are on the Mansfield, PA, campus the first semester. The remaining three semesters and two summer sessions require clinical and classroom experience at the Robert Packer Hospital, in Sayre, PA.

Radiology students attend an orientation session at Robert Packer Hospital during the week immediately before the start of the regular 1st spring semester.

When assigned to the Sayre campus, students complete up to 40 clinical/classroom hours per week. The average daily times of attendance are from 8 a.m. - 4 p.m., Monday through Friday. Occasionally, attendance at a late afternoon class that extends beyond 4 p.m. and attendance at an evening class is required.

While the majority of courses are taught using traditional in-class instruction, some are completed via distance and online learning.

Clinical education includes extensive clinical experience at the Radiology Department of Robert Packer Hospital in Sayre, Pennsylvania. Students are routinely assigned to diagnostic areas and gain familiarity with specialty areas by completing a short clinical rotation within each modality. During the second year, each student rotates through an evening clinical assignment that occurs from 5:00 p.m. to 11:00 p.m. Monday through Friday.

Students are subject to the rules and Regulations of both the university and medical center affiliate.

The program is offered through Mansfield University Health Sciences and Physical Activities Department and is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Drive, Suite 2850, Chicago, Illinois, 60606-3182. Accreditation standards can be seen at the JRCERT website, www.jrcert.com. 312-704-5300.

Career Opportunities

Upon program completion, career opportunities are available in hospitals, imaging centers, medical clinics and mobile units. The program has an excellent reputation and graduates are sought after by many local employers. There are also many job opportunities throughout the U.S. Although there is no formal job placement service, graduates have a high level of success in attaining employment in diagnostic radiology. With additional education or training, radiographers can pursue employment in specialty areas including Mammography, Ultrasound, MRI, CT, Radiation Therapy, Nuclear Medicine and Vascular Interventional Radiography. Graduates who pursue a Baccalaureate Degree may be considered for positions in education or administration.

Policies and Procedures

Admission

The radiology technology program accepts a maximum of thirteen students annually. Admission is granted only for the fall semester and requires:

1. A high school diploma or GED
2. A completed application form with the non refundable fee.
3. Math and science background in high school and/or college
4. Submission of high school and/or college-level transcripts
5. A diagnostic radiology department shadowing experience
6. A personal interview

Applicants must also comply with program technical standards:

1. Read small print and write legible notes
2. Speak clearly and be understood
3. Handle sterile and non-sterile instruments with dexterity
4. Hear speech when the speaker wears a mask and the listener's ears are covered with a cap
5. Lift, move and assist patients
6. Perform x-ray equipment manipulation
7. Wear a protective apron when necessary
8. Access, without assistance, all clinical areas
9. Perform all CPR movements

Obtaining Program Information and Application

Information and an application form can be obtained by calling the Mansfield University Admissions Office at (570) 662-4243 or by contacting Jo Ann Hanlon, Program Director, at (570) 882-

4007. The same information and an online application may also be obtained by visiting www.mansfield.edu.

Application Deadline

To receive proper consideration, applications should be received by the University no later than January 15. Applications submitted after January 15 will be accepted on a space-available basis.

Admission Process

Applicants must submit a completed application with the non-refundable fee to the Mansfield University Admissions Office along with high school/college transcripts and SAT and/or ACT scores. The Admissions Office selects candidates who meet the minimum University admission requirements and forwards their applications and transcripts to the Program Director of the Radiology Technology Program and the Admissions Committee for review.

Since class size is limited, only applicants with a solid high school and/or college math and science background are granted a personal interview at the Sayre Campus. Applicants who are granted an interview are notified by mail. During the interview, applicants will receive information about the program and will participate in a shadowing experience within the Robert Packer Hospital Radiology Department

The decision for acceptance is made by the program's Admission Committee and is based primarily on the candidate's academic performance in completed high school or college level math and science courses. Each candidate's math and science grades are rated using a point score system. The following high school and college level courses are assigned a numerical rating according to the final course letter grade the applicant received: Algebra I, Algebra II, Geometry, Trigonometry, Calculus, Anatomy and Physiology, Chemistry, Physics, Biology and ACE or AP science and math courses. The rating scale for math and science courses is: A=4 points, B=3 points, C=2 points and D=1 point. The total point score for the math and science courses is then divided by the total number of courses completed to calculate an average point score.

The first 10 applicants who receive a minimum average point score of 3.2, meet the technical program standards, and have completed a shadowing experience receive an acceptance letter from the Mansfield University Admissions Office within approximately two weeks following the interview. Other applicants will be accepted on a space-available basis and may be granted alternate status.

Applicants who receive a rejection letter may reapply to the program after completing math and science college level courses. Courses completed must include BSC 1121 Anatomy and Physiology I and MA 1128 College Algebra at Mansfield University. A minimum grade of grade of "C-" must be attained in each course to be reconsidered for acceptance. Applicants who are requesting re-consideration will be admitted on a space-

available basis and their scores will be considered with other applicant scores at the time of re-consideration.

Alternate Status

The program accepts three alternate students annually. Alternate status enables the applicant to begin his/her studies at Mansfield University in the fall semester under the Academic Exploration Program and take all the required courses within the Radiology program's fall curriculum.

If an opening occurs during the fall semester, alternate students will be considered for full acceptance into the program. Alternate students who are accepted must attain at least a grade of "C" in each course, and those with the highest numerical average of grades in BSC 1121 Human Anatomy & Physiology I, XRT 1101 X-ray Technology I, and MA 1128 College Algebra will be accepted first.

If alternate students are not accepted into the program during the fall semester, they may continue taking general education courses required within the Radiology Technology Program at Mansfield University. They are guaranteed acceptance into the Radiology Technology Program for the following spring provided they have attained a minimum grade of "C" in XRT 1101 X-Ray Technology I, and a minimum grade of C- in BSC 1121 Human Anatomy and Physiology I and MA 1128 College Algebra. They must also attain a passing grade in all attempted general education courses within the radiology program's curriculum.

Change of Major

Any Mansfield University student who would like to be considered for acceptance into the Radiology Technology Program must notify the Program Director by phone: (570) 882-4007 or by e-mail: hanlon_joann@guthrie.org or jhanlon@mansfield.edu.

Students with Disabilities

The Mansfield University Radiology Technology program complies with the Americans with Disabilities Act and with University policies regarding students with disabilities. Every effort is made to provide reasonable accommodations for qualified students with disabilities who are able to perform the essential functions of our academic program. A list of "essential functions" is available from the Program Director upon request. Students who are accepted into the program and later discovered to be unable to perform these essential functions may not be able to complete the program. The program faculty will work with students to identify the reasonable accommodations necessary to aid them in becoming successful. The program will also cooperate with the University's Office of Services for Students with Disabilities to insure students' needs are complied with as outlined by the American's with Disabilities Act and Mansfield University's policy of insuring equal opportunity for all students.

Health Requirements

To be allowed to treat patients at Robert Packer Hospital and

other affiliated hospitals, each radiology student must comply with the immunization and health requirements established by the hospital and/or state health department. Prior to enrollment in the first radiology courses at Robert Packer Hospital in January, each radiology student must provide the Program Director with health requirement documentation.

Medical and Professional Liability Insurance

All students must have health and professional liability insurance to participate in clinical experiences at all Guthrie Health facilities.

Transportation to Clinical Sites

Students must provide their own transportation to and from the program's clinical sites, Robert Packer Hospital and Troy Community Hospital.

Program Standards

Radiology students are subject to all Mansfield University policies plus the following Radiology Technology Program standards:

1. minimum grade of C- in BSC 1121 Human Anatomy & Physiology and MA 1128 College Algebra is required for enrollment in the radiology courses in Sayre.
2. A minimum grade of C must be achieved in all professional courses (those with an XRT prefix) and modules. Any module grade below C will result in failure of the entire course. Any student receiving a C- or lower grade cannot continue in the program until the course is repeated and a C or higher grade is attained.
3. Professional courses can be repeated only once. Students will be readmitted on a space available basis. Any student who fails to earn at least a grade of C upon completion of the repeated course will be dismissed from the program.
4. All degree work must be completed within three years.

Graduation Requirements

- Earn at least a "C" grade for each course attempted in the major (XRT courses).
- Earn at least a "C-" grade for Human Anatomy and Physiology I and College Algebra.
- Achieve at least the minimum G.P.A of 2.0.
- Complete the course requirements for general education and the major.
- Achieve all of the Radiology Technology Program's terminal competencies.
- Satisfy all financial obligations to Mansfield University and Guthrie Health.
- File an "Intent to Graduate" form with the Registrars Office.
- Complete the ARRT clinical competency requirements.

Certification Examination

Graduates of the program are eligible to sit for the certification examination of the American Registry of Radiologic Technologists (ARRT). Candidates must meet all ARRT requirements including ethical standards. Conviction of a crime (felony, gross misdemeanor, or misdemeanor) and drug/alcohol related violations can affect eligibility to sit for the examination. ARRT investigates all potential violations in order to determine eligibility.

Certified radiographers may use the letters R.T. (R) after their names and ARRT certification satisfies most state radiographer licensure laws. More information can be obtained at the website, www.arrt.org.

The program boasts an outstanding pass rate on the certification examination.

Job Placement

Although the radiology program does not provide job placement, graduates maintain an excellent record of job procurement.

Bloomsburg University Baccalaureate Degree Option

Under the terms of an articulation agreement between Mansfield University and Bloomsburg University, graduates from the Mansfield University Radiology Technology Program are guaranteed admission with advanced standing at the junior level to Bloomsburg University. Following successful completion of The BU program, graduates will earn a Bachelor of Science Degree.

Mansfield University (MU) and Bloomsburg University (BU) officially confirm the following terms of this agreement:

1. After admission to MU, an interested student signs a letter of intent to transfer to BU at the time the Associate in Applied Science Degree is completed.
2. The Office of Admissions at BU reserves a place for the student as a junior year transfer student upon receipt of the student's letter of intent.
3. One year prior to matriculation at BU, the student confirms the intent to enroll by completing the transfer admissions application.
4. BU accepts all 68 credits from MU (pending ARRT certification).
5. A minimum of 52 additional semester hours of credit must be completed to be awarded the BU Bachelor of Science Degree. BU residency requirements must be observed (30 credits from BU).

More Information please contact:

Jo Ann Hanlon, M.S. Ed., R.T. (R) (M)
Program Director Radiology Technology Program
Mansfield University
Phone: (570) 882-4007
E-mail: hanlon_joann@guthrie.org

Program Requirements:

Radiology Technology (A.A.S.): 69 s.h.

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I
- MA 1128 - COLLEGE ALGEBRA
- PHL 1191 - ETHICAL ISSUES IN ALLIED HEALTH CARE
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- UNV 1100 - FIRST YEAR SEMINAR
- XRT 1101 - X-RAY TECHNOLOGY I
- XRT 1102 - X-RAY TECHNOLOGY II
- XRT 1103 - X-RAY TECHNOLOGY III
- XRT 1104 - X-RAY TECHNOLOGY IV
- XRT 1105 - X-RAY TECHNOLOGY V
- XRT 1106 - X-RAY TECHNOLOGY VI
- XRT 1107 - FUNDAMENTALS OF RADIOLOGIC SCIENCE AND HEALTH CARE
- XRT 1108 - MEDICAL TERMINOLOGY FOR THE RADIOGRAPHER
- XRT 1109 - DIGITAL IMAGE ACQUISITION and DISPLAY
- XRT 2203 - X-RAY PHYSICS
- XRT 3301 - CLINICAL PRACTICUM I
- XRT 3302 - CLINICAL PRACTICUM II
- XRT 3303 - CLINICAL PRACTICUM III
- XRT 3304 - CLINICAL PRACTICUM IV
- XRT 3305 - CLINICAL PRACTICUM V

TOTAL CREDIT HOURS: 69

RESPIRATORY THERAPY

ASSOCIATE OF APPLIED SCIENCE

Offered by the Department of Health Sciences
Professor Sheehe (chairperson), Wright, K.
Associate Professors Evans, Maisner, McGuire
Assistant Professors Decker, Klesh, Materese, Oakes,
Zaparzynski
Instructors Ferrito, Greer, Hanlon, Lanzara, Urban,
Vosburgh

According to the U.S. Bureau of Labor Statistics, the employment of respiratory therapists is expected to grow faster than the average for all professions, by up to 26% in the next decade. This two-year program is one of the top respiratory therapy programs in the nation with a long-standing reputation for exceptional clinical training. Students entering the program in the fall spend their first two semesters (fall and spring) on the Mansfield campus completing prerequisite general education courses. The remainder of the program consists of 15 months of classroom, laboratory, and clinical coursework at Robert Packer Hospital on the Guthrie Health campus in Sayre, beginning in the summer session and ending at the conclusion of the following summer session. Clinical training is primarily conducted at Robert Packer Hospital, but clinical experiences at several other area hospitals are also included.

The respiratory therapist provides a variety of diagnostic, therapeutic, and rehabilitative services to patients of all ages in all patient care areas of the hospital. Students in this program are trained to perform bedside and laboratory assessment of the cardiopulmonary system, interpret a variety of clinical information and data, perform life-saving procedures, and make patient care decisions that may directly impact the patient's outcome. Therapists often work in the high stress areas of the hospital, utilizing highly complex equipment and medications to support critically ill and injured patients. Specialties available to the graduate therapist include pediatric and newborn intensive care, adult critical care, emergency medicine, cardiopulmonary diagnostic testing, patient transport, pulmonary rehabilitation, home care, patient education, respiratory care education, clinical research, or health care administration. Additional information concerning the respiratory care profession is available at the American Association for Respiratory Care web site, www.aarc.org.

This program prepares the student for a variety of career options and has a record of 100% employment of its graduates. Graduates of this program are employed in hospitals, skilled nursing and rehabilitation facilities, home care, physician's offices, the pharmaceutical industry, medical equipment companies, clinical research facilities, and colleges and universities.

The Mansfield University Respiratory Therapist program is fully accredited by the Commission on Accreditation for Respiratory

Care, 1248 Harwood Road, Bedford, Texas 76021-4244, (817) 283-2835, (www.coarc.com). As of August 1st, 2011, outcomes data for all accredited respiratory therapy programs will be available at the CoARC web site.

Program Mission

The mission of the School of Respiratory Therapy is to integrate the University's focus on the liberal arts with the knowledge, skills and values that promote the health and well being of the people and communities we serve.

Program Student Learning Outcomes

The program prepares students as competent advanced-level respiratory therapists. Graduates are prepared for both the entry-level Certified Respiratory Therapist (CRT) and the advanced-level Registered Respiratory Therapist (RRT) credentialing exams administered by the National Board for Respiratory Care (NBRC). The primary goals of the program are that, upon completion of the program, each graduate will demonstrate the:

- Cognitive ability to comprehend, apply, and evaluate clinical information relevant to the role of a registered respiratory therapist.
- Technical proficiency in all skills necessary to fulfill the role of a registered respiratory therapist.
- Personal behaviors consistent with professional and employer expectations for the registered respiratory therapist.

Program Policies

The following academic standards apply to all students:

1. Successful completion of BSC 1121 Human Anatomy & Physiology I, BSC 1122 Human Anatomy & Physiology II, CHM 1101 Introductory Chemistry, and MA 1128 College Algebra, with a grade of at least "C" in each, or equivalent courses, and a cumulative grade point average of 2.3 are prerequisites for enrollment in the first respiratory therapy courses offered at Robert Packer Hospital in Sayre.
2. A grade of "C" or better must be achieved in all respiratory therapy courses.
3. If a "C-" or lower grade is received for a respiratory therapy course, it must be repeated.
4. Respiratory therapy courses may be repeated only once.
5. A student, who fails to achieve a grade of "C" or better in any respiratory therapy course after repeating the course, is prohibited from future enrollment in any respiratory therapy courses and is dismissed from the respiratory therapy program.
6. Required courses for the Respiratory Therapy degree are NOT included in the University Pass/Fail policy.
7. Requirements for the Associate in Applied Science degree in Respiratory Therapy must be completed within four years from the date the student is formally admitted to the program.

Students must meet all clinical agency health and insurance requirements. These include background checks, specific immunizations, urine drug testing, and professional liability insurance. Students are responsible for the costs of these requirements and any transportation, meal, or housing expenses that may be associated with their clinical training.

The Mansfield University Respiratory Therapy program endeavors to comply with the Americans with Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in Respiratory Therapy. Students who are accepted into the program, and then discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

State Licensure

In most states, including Pennsylvania, a license is required to practice respiratory care. Such states grant a temporary practice permit to graduates of an accredited respiratory therapist program. Graduates passing the NBRC Certified Respiratory Therapist exam are granted the license to practice. Graduates of this program have a 100% pass rate on this exam. There are legal restrictions, though, on who may be granted a license. In Pennsylvania, the State Board of Medicine “shall not issue a license or certificate to an applicant unless the applicant establishes with evidence, verified by an affidavit or affirmation of the applicant, that the applicant is of legal age, is of good moral character and is not addicted to the intemperate use of alcohol or the habitual use of narcotics or other habit-forming drugs.” or “to an applicant who has been convicted of a felony under the act of April 14, 1972 (P.L.233, No.64), known as The Controlled Substance, Drug, Device and Cosmetic Act, or of an offense under the laws of another jurisdiction which, if committed in this Commonwealth, would be a felony under The Controlled Substance, Drug, Device and Cosmetic Act, unless:

1. At least ten years have elapsed from the date of conviction;
2. The applicant satisfactorily demonstrates to the board that he has made significant progress in personal rehabilitation since the conviction such that licensure of the applicant should not be expected to create a substantial risk of harm to the health and safety of his patients or the public or a substantial risk of further criminal violations; and
3. The applicant otherwise satisfies the qualifications contained in or authorized by this act.”

More information concerning the licensure law in Pennsylvania, may be found at the Pennsylvania State Board of Medicine Web site. The Pennsylvania Society for Respiratory Care web site, www.psrc.net, provides extensive information concerning licensure in Pennsylvania.

Additional Program Information: Available at the program web site, www.guthrie.org/RespRx.

Program Requirements:

Respiratory Therapy (A.A.S.): 71 s.h.

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CHM 1101 - INTRODUCTORY CHEMISTRY
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I
- MA 1128 - COLLEGE ALGEBRA
- PHL 1191 - ETHICAL ISSUES IN ALLIED HEALTH CARE
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- RTH 1101 - FUNDAMENTALS OF RESPIRATORY CARE I
- RTH 1102 - FUNDAMENTALS OF RESPIRATORY CARE II
- RTH 1111 - PULMONARY FUNCTION TESTING
- RTH 1112 - ARTERIAL BLOOD GASES
- RTH 2204 - PHARMACOLOGY
- RTH 2207 - PULMONARY DISEASE
- RTH 2208 - PERINATAL/PEDIATRIC RESPIRATORY CARE
- RTH 2211 - MECHANICAL VENTILATION
- RTH 2212 - ADVANCED CARDIOPULMONARY CARE
- RTH 2221 - CLINICAL PRACTICUM I
- RTH 2222 - CLINICAL PRACTICUM II
- RTH 2223 - CLINICAL PRACTICUM III
- RTH 2224 - CLINICAL PRACTICUM IV
- Total Credit Hours: 71

SOCIAL STUDIES, HISTORY BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of History, Philosophy and Political Science

Professor Guenther, Newman

Associate Professors, Bosworth, Chua, Gaskiewicz

(chairperson), Holderby, McEvoy

Assistant Professor Rothermel

The Department of History and Political Science offers two history degrees: a B.A. in History, and a B.S.Ed. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies. The Bachelor of Science in Education, Social Studies History degree program is nationally recognized by the National Council for the Social Studies (NCSS), 8555 Sixteenth Street, Suite 500, Silver Spring, Maryland 20910, (301) 588-1800, www.ncss.org.

History Program

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Non-Western history, as well as a wide variety of arts and sciences courses.

The mission of the History Program includes

- Providing a broad, balanced education in the discipline of history
- Developing skills in critical thinking, problem solving, and communicating (both written and oral) through research and applications
- Nurturing attitudes and values conducive to lifelong learning and to active, effective citizenship
- Encouraging the academic study of leadership and leadership skills in historical contexts

Vision

The History programs of Mansfield University prepare graduates with the knowledge and skills to be effective historians. Students who pursue a B.S.Ed. degree in Social Studies, History are trained to be reflective teachers who believe that all students can learn and help them to do so. The research and writing skills developed in our programs also open opportunities in many other areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

Goals and Values

The History program promotes the acquisition of historical knowledge, critical thinking, writing, and research skills in the context of a liberal arts education. The program supports the Mansfield Plan goal of making a liberal arts education the foundation for every student. To do that, it offers numerous courses approved for the General Education program. The program also supports the Mansfield Plan's goal to improve the first year experience, provide superior academic advising, and develop programs that encourage faculty to interact with and mentor students.

Student Learning Outcomes

In all history programs students will accomplish the following :

- Demonstrate factual and conceptual understanding of historical events.
- Articulate how societies are influenced by their geographical location, natural resources, and physical relationship to other parts of the world.
- Demonstrate knowledge of the world's civilizations and peoples, and their political, economic, social, and cultural histories.
- Reflect an understanding of the roles of race, class, gender, and ethnicity in history.
- Demonstrate an ability to recognize and interpret multiple forms of evidence (visual, oral, statistical, material culture artifacts).
- View other societies in a comparative context and look at one's own society in the context of other societies.
- Acquire familiarity with the uses and the limitations of historical comparison as an analytic tool.
- Recognize the distinction between primary and secondary sources and understand how each are used in historical research.
- Write clear, well organized, properly documented and grammatical prose.
- Locate printed and online information sources to research a topic thoroughly.

Students following the Social Studies: History Program will also be able to accomplish the following:

- Demonstrate professional knowledge and skills on Praxis I and II examinations as required by the Pennsylvania Department of Education (PDE) and national council for Social Studies (NCSS). Criterion: At least 80% of the candidates will earn passing scores on Praxis II: Social Studies Content Knowledge.

Program Requirements:

Social Studies: History (B.S.Ed.): 123 s.h

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

Take one course from the following:

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- Take two courses from the following:
- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 3290 - HISTORICAL METHODS
- HST 3316 - TEACHING SECONDARY SOCIAL STUDIES (required United States History Elective)

Take one course from the following:

- HST 4401 - HISTORY OF PENNSYLVANIA
- HST 4496 - SENIOR SEMINAR
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

History Electives

- Take 6 credits of European History Electives
- Take 3 credits of United States History Electives (beyond HST 3316)
- Take 6 credits of Global History Electives

Professional Education

- ED 1110 - FOUNDATIONS OF EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

TOTAL CREDIT HOURS: 86

SOCIAL WORK BACHELOR OF SOCIAL WORK

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell, Ryan

Associate Professors Madigan, Mansfield (Chairperson), Purk, Thornsley

Assistant Professors Battin, Clark, Daly, Murphy

The B.S.W. degree prepares its graduates to practice in the challenging field of helping others improve the quality of their lives. From working one-on-one with individuals and families, to conducting group work, to engaging organizations and entire communities, social workers are found in a variety of settings, striving to improve the world in which we live. B.S.W. program graduates are trained as generalists, where skills can be transferred from one setting to another. Often, social workers begin their careers in settings such as child welfare, mental health, drug and alcohol programs, hospitals, nursing homes, and neighborhood centers, to name a few. Coursework focuses on students developing self-awareness and a deeper understanding and appreciation of diversity and the complexities of today's world. The program features four practice courses, each one geared towards the practical application of learning skills with which to practice with individuals, families, group, and communities and organizations. With its highly-qualified and experienced faculty, the program engages students in several hands-on opportunities that culminate in an internship experience during their last semester prior to graduation. Extracurricular activities provide students with further opportunities to hone their people skills and gain experience in helping others. Nationally accredited since 1983, the program allows graduates to apply for advanced standing in graduate schools of Social Work. Advanced standing allows students to complete an MSW in one calendar year rather than two, if attending classes full-time. For those interested in obtaining their MSW, this represents a significant cost savings for graduate school.

Mansfield University's Social Work Program is accredited by the Council on Social Work Education (CSWE) at the Baccalaureate level, 1701 Duke Street, Suite 200, Alexandria, VA 22314, 703-683-8080, <http://www.cswe.org/>. This national accreditation ensures that the quality of the program merits public confidence and meets the highest scrutiny available in Social Work education.

Mission

The mission of the Mansfield University Social Work Program is to prepare baccalaureate social workers in the betterment of society, guided by the knowledge, values and skills of the profession. Consistent with the mission of a small public university grounded in a liberal arts education, we are committed to promoting leadership development through character, scholarship, cultural awareness and service to humanity.

Program Goals

The four Social Work Program goals derived from the mission statement are to:

- Educate future social workers who will lead the profession in service to their communities (local, regional and beyond).
- Provide an academically challenging curriculum that models the tenets, values and ethics that serve as the foundation for generalist social work practice.
- Promote social justice through critical inquiry.
- Provide field education that enhances the student's connection between theory and application, and increases awareness of diversity and evidence-based practice.

Program Outcomes

The program's curriculum is designed to prepare graduates for generalist practice through the mastery of core competencies, those measurable practice behaviors that are comprised of knowledge, values, and skills. The ten core competencies insure that students will:

- Identify as a professional social worker and will conduct themselves accordingly.
- Apply social work ethical principles to guide professional practice.
- Apply critical thinking skills to inform and communicate professional judgments.
- Engage diversity and difference in practice.
- Advance human rights and social and economic justice.
- Engage in research-informed practice and practice-informed research.
- Apply knowledge of human behavior and the social environment.
- Engage in policy practice to advance social and economic well-being and to deliver effective social work services.
- Respond to contexts that shape practice.
- Engage, assess, intervene, and evaluate with individuals, families, groups, organizations and communities.

Admission requirements

Formal admission to the Social Work Program is obtained by applying to the university through the Office of Admissions or completing the appropriate university form requesting to major in Social Work.

Continuation requirements

Throughout their professional studies, students are expected to demonstrate the required academic and professional performance for continuation in the Social Work Program. First, the student

completes SWK 2246, a pre-professional course that requires the completion of a shadow experience. Next, prior to enrolling in SWK 3301 or SWK 3302, the student completes an "Intent to Continue" form that must be approved and signed by the Social Work major's advisor. Finally, before the major enrolls in their first practice class (SWK 3350, SWK 3351, SWK 3352, or SWK 3353), the student applies for candidacy into the Social Work program. The completed candidacy application is reviewed by the Faculty Evaluation Committee and must be approved before practice courses are taken. The student is evaluated on the candidacy application, the record of grade achievement (evidenced by a cumulative QPA of 2.50 or greater), evidence of professional commitment and participation in the field of Social Work, and the adherence to the National Association of Social Workers' Code of Ethics.

Field Education requirements

Prior to enrolling in Field Education and Field Seminar (SWK 4452 and SWK 4453), an application for Field Education must be completed by the student and approved by the Faculty Evaluation Committee. The student is evaluated on their record of grade achievement in practice courses (students who have any grade below a C+ in SWK 3350, SWK 3351, SWK 3352 must address the deficits in an interview with the Field Director), evidence of continued professional commitment and participation in the field of Social Work, and evidence of continued commitment to the National Association of Social Workers' Code of Ethics. All Social Work-required course work must be completed prior to the semester in which Field Education and Field Seminar are taken.

Life or work experience credit

Students admitted to the program may not receive credit toward the BSW degree for life experience or previous work experience. Internship credits received in associate degree programs may not be applied towards the BSW Field Education requirements.

Program Requirements: Social Work, (B.S.W.) 120 s.h.

- BSC 1104 - HUMAN BIOLOGY

Orientation

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SWK 2246 - PROFESSIONAL IDENTITY AND PRE-PRACTICE EXPERIENCE
- SWK 2500 - DIVERSITY IN AMERICAN SOCIAL WELFARE

Professional Education

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SWK 1800 - INTRODUCTION TO SOCIAL WORK
- SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I
- SWK 3302 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II
- SWK 3330 - SOCIAL POLICY

-
- Professional Elective
- Take one course from the following:
- SWK 3320 - GERONTOLOGY
- SWK 3321 - CHILD WELFARE
- SWK 3322 - INTRODUCTION TO TRAUMA IN SOCIAL WORK
- SWK 3323 - LEADERSHIP IN SOCIAL WORK
- SWK 3324 - SOCIAL WORK AND HEALTH CARE
- SWK 3325 - PSYCHOPATHOLOGY AND SOCIAL WORK PRACTICE
- SWK 3326 - SOCIAL WORK AND CASE MANAGEMENT

Research and Practice

- SWK 3308 - EVALUATION RESEARCH
- SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS
- SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS
- SWK 3352 - SOCIAL WORK PRACTICE WITH FAMILIES
- SWK 3353 - SOCIAL WORK PRACTICE WITH INDIVIDUALS
- SWK 4452 - FIELD EDUCATION
- SWK 4453 - FIELD SEMINAR

TOTAL CREDIT HOURS: 64

SOCIOLOGY/ANTHROPOLOGY BACHELOR OF ARTS

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell, Ryan

Associate Professors Madigan, Mansfield (Chairperson), Purk, Thornsley

Assistant Professors Battin, Clark, Daly, Murphy

The major in sociology/anthropology offers a B.A. degree with three concentrations: Culture and Society, General Applied, Social Inequality.

Sociology and Anthropology are related social science disciplines that examine human behavior and diversity from social and cultural perspectives. The Sociology/ Anthropology program of Mansfield University is a combined degree that provides a strong base for students in the social sciences by working together to provide deeper explorations of the issues of the social world. In general, the disciplines of sociology and anthropology describe

the patterning, problems and prospects of human relationships. That is, we consider how and why people behave as they do, the implications of these patterns for other aspects of social life, and how new ways of living may be built and sustained. Our program embraces the richness of multicultural diversity by emphasizing a broad, yet in-depth understanding of culture and society. In addition, by promoting cultural relativism, it fosters comprehension of interdependencies of the global community. Our curriculum includes opportunities for students to both learn about and serve society through research and action that supports our focus on the applied and public realm of our combined disciplines.

Sociology is the scientific study of human social behavior and social organizations. Sociologists examine the processes and patterns of interaction between individuals, groups, societies, and nations. They seek to explain how social forces influence individual behavior, the organization and behavior of social groups, and their interrelationships. Sociology focuses on empirical investigation of social facts, critical evaluation of information, and professional presentation of results. It also includes the development and advancement of sociological theory.

Anthropology is the study of humanity. To address all aspects of the human experience, anthropology has four major subdisciplines: Physical Anthropology, the biological study of humans and their origins; Archaeology, the study of material culture; Linguistic Anthropology, the study of languages; and Cultural Anthropology, the study of human beliefs and behaviors in different cultures. The department offers introductory courses in all four subdisciplines, ethnographic fieldwork, legal anthropology, medical anthropology, and various cultural regions.

Mission

The Sociology/Anthropology program at MU provides all students with high quality academic, applied and general foundations of learning and real world experience in and through the disciplines of sociology and anthropology. Sociology/Anthropology majors will become students of our disciplines focused on human behavior and social change and professionals in social science occupations. It introduces general education students to academic skills utilized in the social sciences at the same time as it broadens their conceptual views.

We are committed to assisting students in learning to define, analyze, and understand human behavior. Therefore, we are dedicated to equipping all of our undergraduate students with a broad view of the social world that is consistent with the goals of a liberal arts education. We prepare them to understand the structures and patterns upon which everyday social life rests.

The mission of the Sociology/ Anthropology program reflects the creed of Mansfield University by recognizing the importance of character, scholarship, culture and service. Our program embraces the richness of multicultural diversity by emphasizing a broad, yet in-depth understanding of culture and society. In addition, by promoting cultural relativism, it fosters comprehension of

interdependencies of the global community. Our curriculum includes opportunities for students to both learn about and serve society through research and action.

Goals and Values

The following statements describe the values and expectations that guide the program of sociology and anthropology at Mansfield University. They are a foundation to the program's goals and objectives and are in alignment with the Mansfield University Mission and Creed.

1. We are committed to diversity and intellectual pluralism in our ways of teaching and our modes of scholarship (Culture, Character)
2. Our primary objective is to teach sociological and anthropological ways of viewing the world to majors and non-majors alike. (Scholarship, Character)
 - a. We are committed to teaching our discipline in-depth
 - b. We teach the core concepts, methods, and traditions of Sociology and Anthropology (Scholarship)
 - c. As a combined program, we are broad and diverse by nature and we present many different perspectives to our students (Culture, Character)
 - d. We emphasize effective integration of critical thinking and analytical research skills which are problem-solving oriented and are applicable across disciplines. (Scholarship)
 - e. We are public focused which leads to service to the community through our course work and an understanding of the human need, yet flexibly address larger questions surrounding the human experience. (Service, Character)
 - f. We serve as mentors to our students through involvement in research, advising, and support of their work. (Scholarship)
3. We prepare our majors for successful and productive lives. These may include graduate education or employment in applied professional fields, such as public service, non-profit organizations, marketing, insurance, and human services; and for the working world. (Culture, Character)
4. We are teachers and scholars
 - a. Faculty have on-going scholarship and applied research that involve them in scholarly and applied research (Scholarship)
 - b. We share with our colleagues, both internally and externally through conduction of research activities, publication in scholarly journal, and presentations at professional conferences (Service, Scholarship)

- c. We share our research with our students through class presentation, and by involving students in our research and presentation (Service)
- d. We require students to complete their own research projects and support their publication and presentation of their work (Service, Scholarship)
- e. Members of our program are actively involved in activities on campus and in the community and professional activities off-campus that express and advance our programs mission. (Service)

Student Learning Outcomes

- Analyze perspectives on human behavior that are sociological.
- Define the role of theory in sociology/anthropology.
- Explain the role of social research methods in sociology/anthropology.
- Interpret the role of data analysis in sociology/anthropology.
- Define and illustrate key sociological/anthropology concepts.
- Summarize basic knowledge, questions, and issues in substantive areas of sociology/anthropology.
- Communicate effectively about sociology.
- Judgment by graduates in the labor force that the sociology program prepared them well for their life and work responsibilities.

A bachelor's degree prepares students for entry-level positions in marketing, political survey analysis, applied human relations in both the public and private sector, and research organizations. Majors are also employed by museums, national parks, and other public organizations which address the management and interpretation of cultural resources. When combined with appropriate field school experience, a concentration in Anthropology prepares students for employment in archaeology and the many organizations which hire anthropologists for applied human relations work with diverse cultures such as refugee and immigrant communities. The degree also prepares students for graduate work in either Sociology or Anthropology, and is an excellent background for advanced degrees in many other disciplines.

The department also offers the following minors: Anthropology, Gerontology, Social Welfare and Sociology.

Program Requirements:

Sociology/Anthropology (B.A.): 120 s.h.

- ANH 1101 - CULTURAL ANTHROPOLOGY

Take one course from the following:

- ANH 3311 - ETHNOGRAPHIC RESEARCH
- ANH 4499 - APPLIED ANTHROPOLOGY

Take one course from the following:

- MA 1125 - INTRODUCTORY STATISTICS
- MA 1126 - INFERENCE STATISTICS and PROBABILITY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS
- SOC 4480 - SOCIAL SCIENCE THEORY
- SOC 4495 - SENIOR SEMINAR

CULTURE AND SOCIETY CONCENTRATION

Take two courses from the following:

- ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY OR
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 4442 - THE ANTHROPOLOGY OF CRIME AND PUNISHMENT
- ANH 4471 - THE ANTHROPOLOGY OF MESOAMERICA

Take three courses from the following:

- ANH 4440 - ANTHROPOLOGY OF RELIGION OR
- SOC 3305 - SOCIOLOGY OF RELIGION
- SOC 3301 - ORGANIZATIONAL BEHAVIOR
- SOC 3320 - SOCIOLOGY OF GLOBALIZATION
- SOC 3322 - SOCIOLOGY OF AGING
- SOC 3370 - SOCIOLOGY OF CHILDHOOD

Take one course from the following:

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 3280 - SOCIOLOGY OF DEVIANT BEHAVIOR

A student may use 3 credits of ANH 4490 or SOC 4441 towards an Upper Division course.

GENERAL APPLIED CONCENTRATION

- Take 9 credits of Upper Division (3000 or 4000 level) courses from the ANH prefix
- Take 9 credits of Upper Division (3000 or 4000 level) courses from the SOC prefix
- A student may use 3 credits of ANH 4490 or SOC 4441 towards an Upper Division course

SOCIAL INEQUALITY CONCENTRATION

Take one course from the following:

- ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY

Human Diversity

Take one course from the following:

- ANH 3333 - SOUTH AND SOUTHEAST ASIAN ETHNOLOGY
- ANH 4471 - THE ANTHROPOLOGY OF MESOAMERICA

Micro / Interactional

Take two courses from the following:

- ANH 3332 - ANTHROPOLOGY OF COMMUNICATION
- ANH 4442 - THE ANTHROPOLOGY OF CRIME AND PUNISHMENT OR
- SOC 3280 - SOCIOLOGY OF DEVIANT BEHAVIOR
- SOC 2200 - AMERICAN MINORITIES
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER
- SOC 3365 - DISABILITY AND SOCIETY

Macro / Institutional

Take one course from the following:

- ANH 2995 - MEDICAL ANTHROPOLOGY OR
- SOC 3360 - SOCIOLOGY OF MEDICINE
- SOC 3320 - SOCIOLOGY OF GLOBALIZATION
- SOC 3336 - POLITICAL SOCIOLOGY
- SOC 3357 - SOCIOLOGY OF EDUCATION
- SOC 4415 - AMERICAN VALUES IN CONFLICT

Take one course from the following:

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

- SOC 2260 - SOCIAL STRATIFICATION

A student may use 3 credits of ANH 4490 or SOC 4441 towards an Upper Division course

TOTAL CREDIT HOURS: 42

SPANISH EDUCATION BACHELOR OF SCIENCE IN EDUCATION

Offered by the Department of English and Modern Languages

English faculty:

Professors Doerksen, Harris, Pifer, Rashidi, Sornberger, Sullivan-Blum, Ulrich

Associate Professors Barton, Guignard, Murphy (chairperson), Sanner, Washington

Assistant Professor Blume

Modern Languages faculty:

Professor Holtman

Associate Professors Blanco and Keeth

The Bachelor of Science in Education, Spanish degree program is nationally recognized by the American Council on the Teaching of Foreign Languages, 1001 N. Fairfax Street, Suite 200, Alexandria, VA 22314, (703) 894-2900, www.actfl.org.

Program Requirements:

Spanish Education (B.S.Ed.) 123 s.h.

- ED 1105 - EDUCATION FIRST YEAR SEMINAR: BECOMING A PROFESSIONAL
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ENG 2225 - ENGLISH GRAMMAR

Take one course from the following:

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SPA 2201 - INTERMEDIATE SPANISH I
- SPA 2202 - INTERMEDIATE SPANISH II
- SPA 2205 - PHONETICS AND PRONUNCIATION
- SPA 2225 - SPANISH GRAMMAR REVIEW
- SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES
- SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN

- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA

Electives

- Take 6 credits from the SPA prefix

Professional Education

- ED 1110 - FOUNDATIONS OF EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3317 - TEACHING SECONDARY FOREIGN LANGUAGES
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

TOTAL CREDIT HOURS: 84

SPANISH

BACHELOR OF ARTS

Offered by the Department of English and Modern Languages

English faculty:

Professors Doerksen, Harris, Pifer, Rashidi, Sornberger, Sullivan-Blum, Ulrich

Associate Professors Barton, Guignard, Murphy (chairperson), Sanner, Washington

Assistant Professor Blume

Modern Languages faculty:

Professor Holtman

Associate Professors Blanco and Keeth

Mission

As a unit central to the Humanities and to Mansfield University's Liberal Arts tradition, the mission of the Spanish BA/B.S.Ed. program to help students develop their communicative proficiency and cultural understanding of the Spanish language. We strive to ensure that our majors and minors (1) have a sense for how languages function in general, (2) understand how Spanish contributes to leadership in their professional field both in the national and global context, (3) can utilize and increase their analytical, critical, and communicative skills in the target language, and most importantly (4) are able to demonstrate an advanced written and spoken command of Spanish. Only with these skills will they be able to successfully meet their academic and professional goals and recognize how their interest in studying Spanish will continue to serve them as a valuable tool for personal and professional development in the future.

The Spanish program's faculty recognizes that studying a second language allows a student to shape his/her relationship with others differently and that by learning Spanish and information about its representative cultures he/she will be able to better mediate cultural and communicative differences. For this reason, the Spanish program's overall curricular focus emphasizes intercultural communication and a better understanding of one's own linguistic and cultural heritage. In particular, the Spanish program's curriculum stresses four basic language skills: listening, speaking, reading, and writing.

Throughout the program, students are encouraged to increase their proficiency through advanced courses offered either at Mansfield University or through study programs abroad. Whenever possible, we promote the application of language skills in other academic areas.

Values

The Spanish BA/B.S.Ed. program promotes the following values among students:

1. A sustained pursuit of higher levels of Spanish proficiency.

2. A heightened awareness and respect for different Spanish speaking cultures and communities.
3. The creative application of analytical, critical, and communicative skills in Spanish.
4. Use of Spanish language in other arenas of academic and personal development.
5. A maturing awareness of Latin American and Peninsular cultures and literature/s.

Vision

The Spanish BA/B.S.Ed. program strives to be recognized in our academic and social communities for our contribution to the following areas:

1. Promoting intercultural awareness.
2. Helping students reach advanced levels of proficiency in Spanish.
3. Providing quality courses in content areas related to Spanish speaking world. Some of these content areas include: Fundamentals of Spanish, Spanish for a Special Purpose, Principles of Translation, Latin American Culture and Civilization, and Topics in Literature.
4. Promoting cultural activities that connect our communities with other Spanish-speaking communities and cultures.
5. Helping graduates become multilingual and multicultural professionals and leaders.
6. Enhancing a student's travel abroad experience by providing quality preliminary training and preparation.

Learning Outcomes

- Students will demonstrate understanding of and sensitivity to other cultures and ways of life and thought.
- Students will demonstrate proficiency in Spanish at Advanced Low or above, as per ACTFL proficiency guidelines.
- Students will acquire language competence in four skill areas: speaking, listening, reading, and writing.
- Students will acquire familiarity with the history, civilization, and literature of countries that use Spanish as primary medium of communication
- Students will gain a deeper understanding of English through analysis and comparison with the Spanish language
- Students will develop critical thinking skills in intercultural problems and linguistic issues
- Students will acquire a wide palette of qualifications and skills for pleasure or professional purposes.

Whether you are interested in a language-intensive career (such as a translator, interpreter, teacher or professor of languages, regional area specialist, or international businessperson) or whether you are looking to enhance your career portfolio with language skills and cultural awareness, the undergraduate coursework in Spanish that you receive at Mansfield University will make you a more attractive candidate. Since there are 430 million native speakers of Spanish (making Spanish the third most commonly spoken language in the world) and over 36 million Hispanics live in the United States (making it our nation's second language), Spanish is an important asset to have. Knowing Spanish will enhance your marketability.

The English and Modern Languages Department at Mansfield University offers two programs of study in Spanish, the B.A. and B.S.Ed., as well as the possibility of acquiring a minor or double major in Spanish. Both programs of study include courses in structure, phonetics and pronunciation, culture and civilization, and literature.

By graduation, our students will have taken at least 36 credit hours in their Spanish major and will have been encouraged to seek opportunities to communicate in Spanish outside the classroom, to make contact with the growing Hispanic-American cultures, and to have traveled and studied abroad.

We have found that these experiences are beneficial to both professional and educational candidates. We have seen that students seeking these opportunities tend to achieve a better understanding of the many Spanish speaking cultures and find themselves in much stronger positions in their career pursuits. To date, our students have taken part in exchange programs in Costa Rica, Ecuador, Mexico, Chile, Uruguay, Argentina, and Spain.

While studying Spanish at Mansfield University, students find themselves learning in classrooms superiorly equipped with modern teaching technology —technology that enhances their learning graphically, acoustically, and interactively. Throughout their program of study, students have access to the Modern Language Center. On a daily basis, students are able to practice their communication skills in a comfortable 30 seat language center that is outfitted with high-end PCs and a T1 line internet connection. Indeed, the center's webpage and student staff are conveniently available to guide students in their learning process, whether this means help increasing informational literacy or becoming more proficient with language-based software, the digitized audio materials of the Virtual Language Lab, and/or other media/web resources.

All Spanish majors must take the ACTFL Oral Proficiency Interview and reach a minimum of Advanced Low before they graduate.

Program Requirements:
Spanish (B.A.): 120 s.h.

- ENG 2225 - ENGLISH GRAMMAR
- SPA 2201 - INTERMEDIATE SPANISH I

- SPA 2202 - INTERMEDIATE SPANISH II
- SPA 2205 - PHONETICS AND PRONUNCIATION
- SPA 2225 - SPANISH GRAMMAR REVIEW
- SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES
- SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN
- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA

Spanish Electives

- Take 6 credits from the SPA prefix

TOTAL CREDIT HOURS: 39

UNDERGRADUATE MINOR

ACCOUNTING MINOR

Offered by the Department of Business and Economics

Professors Carpenter, Kuty, Solan, Yacovissi

Associate Professors Dugan, Gaballa, Ghods

Assistant Professor Havalchak, Smith, Wang

The Department offers minors in Accounting, Business Administration, Management, Marketing, Economics, and Travel and Tourism.

This minor is designed to enhance business concepts and skills for those outside the Business Administration program. The minor is not open to students in the major.

18 s.h.

Program Requirements

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- ACC 3310 - INTERMEDIATE ACCOUNTING I
- ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING

Accounting Electives

- Take 6 credits of ACC courses (any level)

AFRICAN-AMERICAN STUDIES MINOR

Offered by the Department of English and Modern Languages

English Faculty: Professors Helen Biblehimer, Andy Gaskiewicz, Karen Guenther, Bonnie Kutbay, Lynn Pifer, Linda Rashidi, Janeen Sheehe

Associate Professors Abe Ghods, Janice Purk, Ed Washington, Kathy Wright

Assistant Professors Robert Clark, Gretchen Sechrist, Ying Yang

The African American Studies minor offers students the opportunity to study African American culture from a multidisciplinary perspective. The minor seeks to prepare students to meet the challenges of an increasingly diverse workplace, society, and world.

18 s.h.

Program Requirements:

Humanity

- Take one course from the following:
- AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES
- ENG 2220 - SPECIAL TOPICS IN LITERATURE *
- ENG 3320 - SPECIAL TOPICS IN LITERATURE *
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- HST 3388 - HISTORY OF AFRICA

*when African-American topic

Fine Art or Social Science

Take one course from the following:

- ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2200 - AMERICAN MINORITIES

Capstone Course

Take one course from the following:

- ART 4404 - SPECIAL PROBLEMS IN ART *
- ENG 4401 - SEMINAR IN LITERARY STUDIES *
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4496 - SENIOR SEMINAR *
- SOC 4415 - AMERICAN VALUES IN CONFLICT
- Or any 4497 or 4000 level course designated as an African or African American Capstone course

*when African-American topic

African-American Studies Electives

- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 2995 - MEDICAL ANTHROPOLOGY
- ANH 4440 - ANTHROPOLOGY OF RELIGION
- ARH 3320 - ART OF AFRICA AND OCEANIA
- ARH 3331 - HISTORY OF MODERN ART
- ART 2238 - MULTICULTURAL CRAFTS
- ART 3338 - MULTICULTURAL CRAFTS
- BUS 3310 - MANAGING DIVERSITY
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II

*ENG 3305 - COMPARATIVE LITERATURE *

- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD *
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- MU 3301 - WORLD MUSICS
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- PSY 3309 - STEREOTYPING AND PREJUDICE
- Or any of the Core courses listed above not used to meet requirements

*when African-American topic

ANTHROPOLOGY MINOR

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell

Associate Professors Madigan, Mansfield (chairperson), Purk

Assistant Professors Clark, Daly, Murphy

Anthropology is the study of humanity. To address all aspects of the human experience, anthropology has four major subdisciplines: Physical Anthropology, the biological study of humans and their origins; Archaeology, the study of material culture; Linguistic Anthropology, the study of languages; and Cultural Anthropology, the study of human beliefs and behaviors in different cultures. The department offers introductory courses in all four subdisciplines, ethnographic fieldwork, legal anthropology, medical anthropology, and various cultural regions.

A minor in Anthropology prepares students for a variety of careers in our increasingly multi-cultural society through critical thinking and evaluation, and appropriate research methods and analysis. The program is designed to allow students maximum flexibility to pursue their interests and career goals and combines easily with other disciplines.

Anthropologists are employed by museums, national parks, and other public organizations which address the management and interpretation of cultural resources. When combined with appropriate field school experience, a concentration in Anthropology prepares students for employment in archaeology, as well as the many organizations which hire anthropologists for applied human relations work with diverse cultures, such as refugee and immigrant communities. The minor also prepares

students for graduate work in either Sociology or Anthropology, and is an excellent background for advanced degrees in many other disciplines.

The department also offers the following minors: Sociology, Gerontology, Social Welfare and Sociology.

18 s.h.

Program Requirements:

- ANH 1101 - CULTURAL ANTHROPOLOGY

Anthropology Electives

- Take 6 credits of 1000 & 2000 level ANH courses
- Take 9 credits of 3000 & 4000 level ANH courses

ART HISTORY MINOR

Offered by the Department of Art

Professor Kutbay

Associate Professor Schlegel

Assistant Professor Anderson, Whitehouse, Chairperson

Program Requirements: 18 s.h.

- ARH 1101 - INTRODUCTION TO ART

Art History Electives

- Take any 15 credits from the ARH prefix and
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES

BIOLOGY MINOR

Offered by the Department of Biology

Professors Kirby, Maris (chairperson)

Associate Professors: Clifford, Hensley, Kagle, Stein

The Department of Biology offers three degrees and two concentrations leading to the baccalaureate degree. The department also offers a minor in Biology.

Programs leading to the B.S. degree give a solid liberal arts background and a foundation of Science courses in Botany, Zoology, Cell Biology, Ecology, Chemistry, Physics and Mathematics. With close advisement you may concentrate in any one of several areas: Botany, Physiology, Ecology, and Cellular Biology, among others. A unique feature of all Biology degrees is the requirement to complete an undergraduate research project.

These programs meet the minimum requirements for medical schools. The Biology program is excellent preparation for graduate school. Many Biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements for medical, dental, chiropractic, veterinary, and physical therapy schools with proper course selection under the B.S. degree.

The minor in biology is designed to broaden and expand the knowledge of students especially those in biology-related curricula. The requirements for a minor are a total of at least 20 hours of semester credit.

20 s.h.

Program Requirements:

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 3370 - CELL BIOLOGY

Biology Electives

- Take 8 credits of 2000, 3000, or 4000 level BI courses

BUSINESS ADMINISTRATION MINOR

Offered by the Department of Business and Economics
Professors Carpenter, Kutty, Solan, Yacovissi
Associate Professors Dugan, Gaballa, Ghods, Wang
Assistant Professor Havalchak, Smith

The minor in Business Administration provides an overview of business concepts for students not majoring in business administration. A business minor provides valuable insight regarding business to students who will conduct themselves in a business environment.

This minor is designed to enhance business concepts and skills for those outside the Business Administration program. The minor is not open to students in the major.

18 s.h.

Program Requirements:

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 1130 - INTRODUCTION TO BUSINESS AND

MANAGEMENT

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- FIN 3301 - INTRODUCTION TO FINANCE
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

CHEMISTRY MINOR

Offered by the Department of Chemistry and Physics
Professors Ramasamy (chairperson) Davis
Associate Professors Ambrosio, Carson, Chester, Ganong
Assistant Professors Kiessling
Instructor Tandon

The Department of Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting their nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS, the largest scientific society in the world. The Department of Chemistry and Physics offers four programs that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-certified baccalaureate degree. Minors in Chemistry, Physics, and Forensic Science are available as further options.

Minors:

The department offers minors in chemistry, physics, or forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry, or forensics and thereby broaden their background as they acquire marketable skills.

22-24 s.h.

Program Requirements:

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II

Chemistry Electives

Take 6 - 8 credits of 3000 or 4000 level CHM courses, except CHM 4410, CHM 4490, and CHM 4497

CHILD WELFARE MINOR

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell

Associate Professors Madigan, Mansfield (chairperson), Purk

Assistant Professors Clark, Keller, Ying

The child welfare minor is designed for students interested in better understanding the care and protection of children in today's society. It introduces students to issues specific to children, from developmental, environmental, and social work perspectives. It is an appropriate minor for any student who will be working in roles that involve protecting vulnerable children.

18 s.h.

Program Requirements:

Take one course from the following:

- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SWK 1800 - INTRODUCTION TO SOCIAL WORK

Take one course from the following:

- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 3370 - SOCIOLOGY OF CHILDHOOD
- PSY 3292 - CHILD PSYCHOLOGY
- SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I
- SWK 3321 - CHILD WELFARE
- SWK 3326 - SOCIAL WORK AND CASE MANAGEMENT

COMPUTER SCIENCE MINOR

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim Chairperson), Lienhard

Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye

Assistant Professors L. Iseri, Sim

Computer Science Minor

The Computer Science minor provides a strong background in computation and programming for students majoring in a technical, scientific, or mathematical area. See also General Computing Minor and Information Systems minor.

Information Systems Minor

The Information Systems minor provides a strong background in office applications software and systems analysis for students majoring in business-related fields of study. See also Computer Science Minor and General Computing Minor.

General Computing Minor

The General Computing minor provides a solid background in computing that is custom-tailored to the student's field of study. This minor is primarily intended for students in majors other than business, mathematics, and the sciences. See also Computer Science Minor and Information Systems Minor.

17 s.h.

Program Requirements:

- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 3315 - DATA STRUCTURES
- CIS 3330 - COMPUTER ORGANIZATION

Computer Science Electives

Take 6 credits of 3000 or 4000 level CIS courses

CREATIVE WRITING MINOR

Offered by the Department of English and Modern Languages

English Faculty: Professors Doerksen, Harris, Murphy (Chairperson), Pifer, Sornberger, Sullivan-Blum, Ulrich
Associate Professors Barton, Guignard, Rashidi, Sanner, Washington

Assistant Professors Blume

Modern Languages faculty: Professor Holtman

Associate Professors Arango-Keeth, Blanco, Keeth and Oyallon

The Creative Writing Minor emphasizes student creativity, expression, and production through intensive reading from a variety of cultural backgrounds and time periods, extensive writing and revising, and active discussion. Courses offered for the minor introduce students to the major literary genres of prose and poetry, and sharpen their writing skills. Students learn to contextualize literary styles and find their own voice within them.

15 s.h.

Program Requirements:

- ENG 2252 - INTRODUCTION TO POETRY WRITING
- ENG 2254 - INTRODUCTION TO FICTION WRITING
- ENG 3316 - CREATIVE NON-FICTION PROSE WRITING
- ENG 3332 - NATURE WRITING

Take one course from the following:

- ENG 3252 - ADVANCED POETRY WRITING
- ENG 3254 - ADVANCED FICTION WRITING

CRIMINAL JUSTICE ADMINISTRATION MINOR

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell, Ryan

Associate Professors Madigan, Mansfield (Chairperson), Purk, Thornsley

Assistant Professors Battin, Clark, Daly, Murphy

Criminal Justice Administration offers a minor in criminal justice upon the completion of three required core courses and nine credits in electives. The minor provides a general overview of the American criminal justice system and benefits social work, political science and psychology majors.

18 s.h.

Program Requirements:

- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS

Criminal Justice Administration Electives

- Take 9 credits of 3000 or 4000 level CJA courses

ECONOMICS & FINANCE MINOR

Offered by the Department of Business and Economics

Professors Carpenter, Kuty, Solan, Yacovissi

Associate Professors Dugan, Gaballa, Ghods

Assistant Professor Havalchak

The Department of Business & Economics offers a minor in Economics and Finance to all students who complete the requirements. The minor, while not a degree program, is designed to broaden and expand student understanding of Economics and Finance.

This minor is designed to enhance business concepts and skills for those outside the Business Administration program. The minor is not open to students in the major.

21 s.h.

Program Requirements:

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- FIN 3312 - FINANCIAL MARKETS AND INSTITUTIONS

Plus take one course from the following:

- ECO 3301 - INTERMEDIATE MACROECONOMIC THEORY
- ECO 4485 - MANAGERIAL ECONOMICS

And one course from the from the following:

- ECO 3333 - INTERNATIONAL ECONOMICS
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT

And 6 credit hours from the following:

- Any ECO or FIN courses at the 3000 or 4000 level

EDUCATION MINOR

Offered by the Department of Education and Special Education

Professors: Benjamin, Cleland, Straub

Associate Professors: Carico (chairperson), Floyd, Hammann, Lucero, Smith, Werner-Burke

Assistant Professors: Moore

The minor in education provides an overview of the field of education and of the dynamics of teaching and learning. This minor is restricted to previous education majors who have successfully completed Gate 1 requirements as defined by Chapter 354.

15 s.h.

Program Requirements

- ED 1105 - EDUCATION FIRST YEAR SEMINAR: BECOMING A PROFESSIONAL
- ED 1110 - FOUNDATIONS OF EDUCATION

Take one course from the following:

- ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS
- ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS

- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

Education Electives

- Take 6 credits of 3000 or 4000 level ED, ELE, or SPE courses

ENGLISH LITERATURE MINOR

Offered by the Department of English and Modern Languages

English Faculty:

Professors Doerksen, Harris, Murphy (Chairperson), Pifer, Rashidi, Sornberger, Sullivan-Blum, and Ulrich
Associate Professors Barton, Guignard, Sanner and Washington

Assistant Professors Blume

Modern Languages faculty:

Professors Holtman

Associate Professors Arango-Keeth, Blanco, Keeth and Oyallon

The English Literature minor program provides students with a strong grounding in the field of literary studies, with an emphasis on developing excellent analytical, critical thinking, writing, and research skills. The minor consists of 3 core courses and 3 elective courses. The core courses introduce students to the field of literary studies, focusing on key foundational literary texts and their influence, the practice of literary analysis and interpretation, and the significance of various critical approaches to literature. The elective courses allow students to shape the rest of their minor program according to their particular interests. Students from a variety of majors have successfully completed the English literature minor; the minor combines especially well with programs such as Philosophy, History, Spanish, Art History, Music, Mass Communication, Liberal Studies, Psychology, Sociology, Anthropology, and Elementary Education. Students who successfully complete the English literature minor will be able to:

- Demonstrate their ability to interpret texts critically.
- Demonstrate their ability to situate literature in various contexts, including literary, cultural, and/or historical.
- Demonstrate their ability to conduct library research with effective use of print and electronic sources.
- Demonstrate their ability to understand writing as a process, to assess rhetorical contexts, and to revise written work effectively.
- Demonstrate their ability to conform to the prescriptive rules of standard written English.

18 s.h.

Program Requirements

18 credits minimum (beyond the required composition courses) to include:

Take one course from the following:

- ENG 1115 - INTRODUCTION TO LITERATURE
- ENG 1130 - INTRODUCTION TO LITERARY STUDIES

Take one course from the following:

- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- ENG 3269 - SURVEY OF BRITISH LITERATURE II

Take one course from the following:

- ENG 3278 - SURVEY OF AMERICAN LITERATURE I
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II

English Literature Electives

- Take 9 credits of 3000 & 4000 level ENG courses

ENVIRONMENTAL STUDIES MINOR

Offered by the Department of History, Philosophy, and Political Science

Associate Professors, Chua, Gaskiewicz, Guenther (chairperson)

Assistant Professors Bosworth, Holderby

The Department of History and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

The environmental studies minor allows students of all majors to engage in a fully interdisciplinary course of study focused on the relationship between people and the natural world. This enterprise

is designed to deepen understanding of the humanities and the sciences and to suggest ways those disciplines can be integrated. This minor will also help students to be more effective citizens in a world where the earth's population of 6 billion is projected to double during their lifetimes and the demand for resources will increase.

21-22 credits

Program Requirements:

- ES 3300 - HUMANS IN NATURE
- ES 4497 - INDEPENDENT STUDY
- GEG 1122 - ENVIRONMENTAL ISSUES

Take one course from the following:

- BSC 1103 - ENVIRONMENTAL BIOLOGY
- CHM 1103 - CHEMISTRY AND THE ENVIRONMENT
- GEL 1102 - ENVIRONMENTAL GEOLOGY

Electives

Social - Take one course from the following:

- GEG 1102 - HUMAN GEOGRAPHY
- GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA
- HST 3294 - TOPICS IN AMERICAN HISTORY *
- HST 3295 - TOPICS IN GLOBAL HISTORY *
- HST 3296 - TOPICS IN EUROPEAN HISTORY *
- HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT
- HST 4406 - THE WESTWARD MOVEMENT IN AMERICA
- HST 4496 - SENIOR SEMINAR *
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3365 - SCIENCE AND VALUES
- WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT

*when offered on an environmental studies topic

Creative - Take one course from the following:

- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- ENG 3332 - NATURE WRITING
- PHL 3300 - PHILOSOPHY OF THE ARTS *

*with an environmental component

Natural - Take one course from the following:

- BI 3318 - ORNITHOLOGY
- BI 3331 - LOCAL FLORA
- BI 3350 - ECOLOGY
- BI 3381 - ENVIRONMENTAL MICROBIOLOGY

- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 3312 - WEATHER AND CLIMATE
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY
- GEG 4465 - SEMINAR IN ENVIRONMENTAL SCIENCE
- GEL 3310 - HYDROLOGY

FORENSIC SCIENCE MINOR

Offered by the Department of Chemistry and Physics

Professors Ramasamy (chairperson), Davis

Associate Professors Ambrosio, Chester, Ganong, Vayansky

Assistant Professors Carson, Kiessling

Instructor Tandon

The Department of Chemistry and Physics offers two programs which lead to the baccalaureate degree with a major in physics. Minors in Chemistry, Physics, and Forensic Science are available as further options.

Minors:

The department offers minors in chemistry, physics, or forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry, physics, or forensics and thereby broaden their background as they acquire marketable skills.

The department of Chemistry and Physics offers a minor in forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to introduce relevant introductory chemistry, biochemistry and physics to give students sufficient background so that they can to understand their application in forensic science. In addition, the student will develop an understanding of the legal implications involved in evidence collection and presentation.

19 s.h.

Program Requirements

- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 3264 - CHEM MTDS FOREN SCI
- CJA 3262 - INVESTIGATION AND INTERROGATION
- PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE

- SCI 1104 - FORENSIC SCIENCE

Take one course from the following:

- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II

GENERAL COMPUTING MINOR

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri, Lienhard

Associate Professors D'Ortona, Haner, McKee (Chairperson), Savoye, Schuerman

Assistant Professors Dietz, L. Iseri, Junius, Phillips, Sim

Computer Science Minor

The Computer Science minor provides a strong background in computation and programming for students majoring in a technical, scientific, or mathematical area. See also General Computing Minor and Information Systems minor.

Information Systems Minor

The Information Systems minor provides a strong background in office applications software and systems analysis for students majoring in business-related fields of study. See also Computer Science Minor and General Computing Minor.

General Computing Minor

The General Computing minor provides a solid background in computing that is custom-tailored to the student's field of study. This minor is primarily intended for students in majors other than business, mathematics, and the sciences. See also Computer Science Minor and Information Systems Minor.

18 - 19 s.h.

Program Requirements

Take two courses from the following:

- CIS 1102 - VISUAL BASIC PROGRAMMING
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE
- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3303 - WEB SITE DESIGN

Electives

- Take 6 credits of computer related courses chosen in consultation with the departmental advisor

GEOGRAPHY MINOR

Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Assistant Professors Demchak, Kopf

Instructors Benner, Dillon, Guignard, Dom, Wilson

Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

18 s.h.

Program Requirements

Take two courses from the following:

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT

Geography Electives

- Take 12 credits of 3000 or 4000 level GEG courses

GEOLOGY MINOR

Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Assistant Professors Demchak, Kopf

Instructors Benner, Dillon, Guignard, Dom, Wilson

The Geology minor is a valuable option for students interested in the environment. It is especially appropriate for those who wish to work for government agencies, environmental consulting firms, mining and oil/natural gas companies, parks and recreations providers.

18 s.h.

Program Requirements

- GEL 1102 - ENVIRONMENTAL GEOLOGY
- GEL 1121 - PHYSICAL GEOLOGY

Geology Electives

- Take 12 credits of 3000 or 4000 level GEL courses

GERONTOLOGY MINOR

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell

Associate Professors Madigan, Mansfield (chairperson), Purk

Assistant Professors Clark, Daly, Murphy

The Gerontology minor is designed for students interested in working with the aging population. The minor offers students exposure to a range of aging concepts that will prepare them to work with an increasingly aging population. It is an appropriate minor for any student who will be working with older adults in his or her career.

18 s.h.

Program Requirements

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 3322 - SOCIOLOGY OF AGING
- SWK 3320 - GERONTOLOGY

Take one group from the following:

- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3324 - ADULT DEVELOPMENT AND AGING
- OR
- SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I
- SWK 3302 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II

Take one course from the following:

- SOC 3360 - SOCIOLOGY OF MEDICINE
- SWK 3324 - SOCIAL WORK AND HEALTH CARE

HISTORY MINOR

Offered by the Department of History, Philosophy and Political Science

Professors Guenther, Newman

Associate Professors Bosworth, Chua, Gaskiewicz (chairperson)

Assistant Professors Holderby, McEvoy

The Department of History, Philosophy and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

18 s.h.

Program Requirements

Take one course from the following:

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900

Take one course from the following:

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877

History Electives

- Take 6 credits of 3000 or 4000 level HST courses
- Take 6 credits of HST courses (any level)

INFORMATION SYSTEMS MINOR

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri, Lienhard

Associate Professors D'Ortona, Haner, McKee

(Chairperson), Savoye, Schuerman

Assistant Professors Dietz, L. Iseri, Junius, Phillips, Sim

The Department of Mathematics and Computer Information Science offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

The Information Systems minor provides a strong background in office applications software and systems analysis for students majoring in business-related fields of study. See also Computer Science Minor and General Computing Minor.

18 s.h.

Program Requirements

Take one course from the following:

- CIS 1102 - VISUAL BASIC PROGRAMMING
- CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3303 - WEB SITE DESIGN
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 3310 - SYSTEMS ANALYSIS

Take one course from the following:

- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- MGT 2230 - MANAGEMENT PRINCIPLES

INTERNATIONAL STUDIES MINOR

Offered by the Department of History, Philosophy and Political Science

Professors Guenther, Newman

Associate Professors Bosworth, Chua, Gaskiewicz (chairperson)

Assistant Professors Holderby, McEvoy

For students with an interest in the world beyond the United States, the minor in international studies offers a multi-disciplinary complement to any major. Students are exposed to different disciplines, but the emphasis remains on other countries.

21 s.h.

Program Requirements

- ANH 1101 - CULTURAL ANTHROPOLOGY
- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS

Take one course from the following:

- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD
- ECO 3333 - INTERNATIONAL ECONOMICS
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 4412 - TOPICS IN COMPARATIVE POLITICS
- PSC 4415 - U S FOREIGN POLICY

JOURNALISM MINOR

Offered by the Department of Communication
Professor Young (chairperson)
Associate Professors Hoy, Wright, L.
Assistant Professors Bernum, Crum, Pieper
Instructors Lohrey, Mason, McIntyre

Minoring in journalism prepares students to offer the workforce not only expertise in their major field, but additionally the ability to educate and inform others about their work and to keep the world informed about events in their lives, companies, organizations or schools.

18 s.h.

Program Requirements

- JN 1100 - JOURNALISM
- JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING

Take one course from the following:

- JN 2200 - CRISIS NEWS ANALYSIS
- JN 3330 - CONTEMPORARY ISSUES IN JOURNALISM

Take one course from the following:

- JN 3320 - MAGAZINE WRITING AND PRODUCTION
- JN 3340 - ONLINE JOURNALISM

Take two courses from the following, or from the Electives not selected above:

- ART 2200 - FOUNDATION IN NEW MEDIA
- ART 3330 - DIGITAL PHOTOGRAPHY
- CIS 3303 - WEB SITE DESIGN
- COM 2230 - WRITING FOR BROADCASTING MEDIA
- COM 3303 - TELEVISION AND RADIO ANNOUNCING
- COM 3320 - PUBLIC RELATIONS WRITING TECHNIQUES
- COM 3331 - MEDIA ETHICS
- COM 4400 - COMMUNICATION THEORY
- COM 4440 - COMMUNICATION LAW
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 3332 - NATURE WRITING
- ENG 3371 - PROFESSIONAL WRITING
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

- PSC 2204 - STATE AND LOCAL POLITICS
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 3328 - INTERNATIONAL POLITICAL ECONOMY
- PSC 4402 - PRESIDENT AND CONGRESS
- PSC 4404 - COURTS AND THE CONSTITUTION
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

LATIN AMERICAN STUDIES MINOR

Offered by the Department of English and Modern Languages

English Faculty: Professors Doerksen, Harris, Murphy (Chairperson), Pifer, Rashidi, Sornberger, Sullivan-Blum, and Ulrich

Associate Professors Barton, Guignard, Sanner and Washington

Assistant Professors Blume

Modern Languages faculty: Professors Holtman

Associate Professors Arango-Keeth, Blanco, Keeth, and Oyallon

The Latin American Minor is an interdisciplinary program for the purpose of introducing and broadening student's knowledge and understanding of the culture, history, economics, and other related matters concerning the people and countries of Latin America.

18 s.h.

Program Requirements

- PSC 3312 - CANADA, MEXICO AND THE U.S.

Take one course from the following:

- HST 3377 - HISTORY OF LATIN AMERICA OR
- PSC 3377 - LATIN AMERICAN POLITICS

- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA

Latin American Studies Electives

- 25% Latin American content in courses required in semester offered to apply to minor
- **Take four groups from the following:**
 - ANH 1101 - CULTURAL ANTHROPOLOGY OR
 - ANH 3350 - SELECTED TOPICS SEMINAR
 - ARH 3323 - BAROQUE AND ROCOCO ART
- BUS 3310 - MANAGING DIVERSITY

- ENG 2220 - SPECIAL TOPICS IN LITERATURE OR
- ENG 3305 - COMPARATIVE LITERATURE OR
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- HST 4415 - MODERN AMERICAN DIPLOMACY OR
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- MU 3301 - WORLD MUSICS
- PSC 4415 - U S FOREIGN POLICY OR
- PSC 4430 - GLOBAL DEMOCRATICIZATION
- SOC 2200 - AMERICAN MINORITIES
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA

LEADERSHIP STUDIES MINOR

Offered by the Department of Psychology
Professors Craig, Keller, Loher, Murray (chairperson)
Associate Professor Brown, verno
Assistant Professors Sechrist

The minor in Leadership Studies provides students with an opportunity to study, apply and synthesize interdisciplinary perspectives of leadership. The minor helps students: understand the theory and practice of leadership; gain an understanding of their potential and styles of leadership, communicate effectively in a variety of situations; understand and apply ethical leadership practices; develop and apply effective critical thinking and problem solving skills; understand the interdisciplinary nature of leadership; understand the relationship between diversity and leadership; and learn to lead effectively in a variety of situations.

21 s.h. Program Requirements

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES
- LDR 4425 - LEADERSHIP CAPSTONE

Communication Course

Take one course from the following:

- COM 3332 - CROSS CULTURAL COMMUNICATION
- COM 3334 - GENDER AND COMMUNICATION
- COM 4401 - PERSUASION
- COM 4485 - SMALL GROUP COMMUNICATION

Group or Organizational Process Course

Take one course from the following:

- COM 3360 - ORGANIZATIONAL COMMUNICATION
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR
- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- SOC 3301 - ORGANIZATIONAL BEHAVIOR
- SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS *
- SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS *

***This course available only to students in the Social work major**

Ethics Course

- Take one course from the following:
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3260 - TOPICS IN PROFESSIONAL ETHICS
- PHL 3380 - HEALTH CARE ETHICS

Electives

Take two courses from the following or from the courses listed above:

- Courses that emphasize learning about leaders and leadership:
- HST 2220 - WORLD WAR II
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 4402 - PRESIDENT AND CONGRESS
- SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN
- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA

Courses that enhance understanding, self-awareness, and skills related to leadership:

- AHD 2201 - PERSONAL DEVELOPMENT/LIFE CHOICES
- BUS 3310 - MANAGING DIVERSITY
- COM 3330 - EFFECTIVE MEETING MANAGEMENT
- MGT 3325 - BUSINESS LEADERSHIP
- NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING *
- NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING *
- PHL 2200 - CRITICAL THINKING
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II
- PSY 4430 - THEORIES OF PERSONALITY

*This course available only to students in the Nursing major

MANAGEMENT MINOR

Offered by the Department of Business and Economics
Professors Carpenter, Kuty, Solan
Associate Professors Dugan (chairperson), Gaballa, Ghods
Assistant Professor Havalchak

The need for management has been recognized since the early days of civilization. Organizations cannot succeed without good management. This minor is based on appreciating the role of managers today and in the future by focusing on a solid understanding of the skills and competencies needed to manage.

A minor in management develops students' managerial skills including awareness of global realities of cultural diversity.

This minor develops understanding, skills, insights, judgment and intuition that enable students to become effective managers. Students actively learn and engage in acquiring management competencies by providing comprehensive coverage of contemporary management theories, techniques and practices.

This minor is designed to enhance business concepts and skills for those outside the Business Administration program. The minor is not open to students in the major.

18 s.h.

Program Requirements

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- MGT 2230 - MANAGEMENT PRINCIPLES

- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

Elective

- Take 3 credits Management Electives by advisement

MARKETING MINOR

Offered by the Department of Business and Economics
Professors Carpenter, Kuty, Solan
Associate Professors Dugan (chairperson), Gaballa, Ghods
Assistant Professor Havalchak

All organizations, including not-for-profit, use marketing strategies. The Marketing minor is designed to supplement many disciplines including Art, Communication / Public Relations, Computer Science / CIS, Criminal Justice Administration, Music Business / Music, Nutrition and Dietetics, Political Science, Psychology and other disciplines. The minor provides opportunity for students to broaden their skills and enhance their career opportunities. Students may choose courses in the minor to best fit their choice of disciplines. The minor advisor can help students in the selection of courses in achieving their goals.

This minor is designed to enhance business concepts and skills for those outside the Business Administration program. The minor is not open to students in the major.

18 s.h.

Program Requirements

- MKT 3330 - MARKETING
- MKT 3370 - SALESMANSHIP

Electives

Take four courses from the following:

- BUS 3390 - SUPPLY CHAIN MANAGEMENT
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- MKT 3332 - PROMOTION IN MARKETING
- MKT 3334 - MARKETING RESEARCH
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4423 - BUSINESS-TO-BUSINESS MARKETING
- MKT 4426 - E-MARKETING
- TRT 3300 - THE TRAVEL CONSUMER

MATHEMATICS MINOR

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim Chairperson), Lienhard
Associate Professors D'Ortona, Haner, Junius, Phillips,
Savoye

Assistant Professors L. Iseri, Sim

The minor in mathematics provides a strong background in mathematics but is flexible enough to be tailored to a variety of different majors. See also Statistics Minor.

17 s.h.

Program Requirements

- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Mathematics Electives

- Take 6 credits of 2000, 3000, or 4000 level MA courses

MUSIC MINOR

Professors: Boston, Brennan, Dettwiler, Galloway, Kim,
Monkelien, Murphy, Sarch

Associate Professors: Dodson-Webster, Gregorich
(chairperson), Laib, Moulton, Wetzel

Assistant Professors: Jacobson, McEuen, Ranney, Rinnert,
Rose, Walters

The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The department of music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty. The Music Department offers five degree programs leading to the baccalaureate degree with a major in music. Students in other majors with appropriate interest and aptitude may pursue a minor in music. Degree programs include: performance, music education, music therapy, music with elective studies in business, and a BA in music. Students must complete a live audition for acceptance into a music degree program. Please refer to the department for audition information and other entrance requirements. All music programs are accredited by the National Association of Schools of Music (NASM).

The Music Department offers a Music minor for students in other majors with appropriate interest and aptitude. A live audition is required for admission to this program.

22 s.h.

Program Requirements

- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC

Take 2 credits from Major Performance Area

Take 2 credits of Ensemble

Music Electives

- Take 6 credits of MAP, MEN, or MU courses

MUSIC TECHNOLOGY MINOR

Professors: Boston, Brennan, Dettwiler, Galloway, Kim,
Monkelien, Murphy, Sarch

Associate Professors: Dodson-Webster, Gregorich
(chairperson), Laib, Moulton, Wetzel

Assistant Professors: Jacobson, McEuen, Ranney, Rinnert,
Rose, Walters

The music technology minor is intended for students outside the music department that have a strong interest in audio, music recording, and studio production. The minor includes an introductory music fundamentals course, a four-course sequence of music technology courses (Introduction to Music Technology, Electronic Music, Recording Arts, and Studio Production Techniques), and four credits of music electives by advisement. Students in this minor will gain hands-on experience with professional-level recording and production tools and software, and will gain access to studio facilities for the completion of independent class projects.

15 s.h.

Program Requirements

- MU 1103 - INTRODUCTION TO MUSIC FUNDAMENTALS
- MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY
- MU 3313 - ELECTRONIC MUSIC I
- MU 4413 - STUDIO PRODUCTION TECHNIQUES
- MU 4414 - RECORDING ARTS

Music Electives

- Take 4 credits from the MAP, MEN, or MU prefixes

NUTRITION MINOR

Offered by the Department of Health Sciences
Professors Sheehe (chairperson), Wright, K.
Associate Professors Evans, Maisner
Assistant Professors Decker, Klesh, Materese, McEwan,
Oakes, Urban, Valverde, Zaparzynski
Instructors Ferrito, Greer, Hanlon, Vosburgh

The nutrition minor provides the student with a strong background in nutrition as related to the student's field of study. The minor is especially suited to students in health care fields other than nutrition, students who wish to work with eating disordered individuals, future educators and coaches, future journalists, and anyone else who may need a strong background in nutrition.

18 s.h.

Program Requirements

- DIT 2211 - INTRODUCTION TO NUTRITION
- DIT 3305 - PRINCIPLES OF FOOD SCIENCE
- DIT 3314 - NUTRITION THROUGHOUT THE LIFE CYCLE

Take one course from the following:

- DIT 2220 - NUTRITION AND EXERCISE
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- DIT 3316 - COMMUNITY NUTRITION
- DIT 3325 - NUTRITION COUNSELING AND EDUCATION

Take two courses from the following:

- DIT 3330 - SPORTS NUTRITION
- DIT 4401 - MEDICAL NUTRITION THERAPY I
- DIT 4402 - MEDICAL NUTRITION THERAPY II
- DIT 4417 - ADVANCED NUTRITION
- DIT 4420 - NUTRITION RESEARCH SEMINAR

ORGANIZATIONAL COMMUNICATION MINOR

Offered by the Department of Communication

Professor Young (chairperson)

Associate Professors Hoy, Wright, L.

Assistant Professors Bernum, Lohrey, Mason, McIntyre, Pieper

We offer a minor in organizational communication for students who want to communicate effectively in a variety of situations and professions, and explore global diversity as they interact in interpersonal and organizational settings. This minor is designed to enhance any major.

18 s.h.

Program Requirements

- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- COM 4485 - SMALL GROUP COMMUNICATION

Take two courses from the following:

- COM 3306 - NONVERBAL COMMUNICATION
- COM 3330 - EFFECTIVE MEETING MANAGEMENT
- COM 3332 - CROSS CULTURAL COMMUNICATION
- COM 3334 - GENDER AND COMMUNICATION
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION

Take one course from the following:

- COM 4400 - COMMUNICATION THEORY
- COM 4401 - PERSUASION
- COM 4425 - PUBLIC COMMUNICATION
- COM 4440 - COMMUNICATION LAW

OUTDOOR RECREATION LEADERSHIP MINOR

Offered by the Department of Geography and Geology
Professor Dodson (chairperson)
Assistant Professor Demchak, Kopf
Instructors Benner, Dillon, Guignard, Dom, Wilson

The minor in Outdoor Recreation Leadership provides valuable training for students interested in outdoor recreational activities. This minor is not available for Geography majors opting for the Outdoor Recreational Leadership concentration.

19 s.h.

Program Requirements

- HPE 3345 - WILDERNESS FIRST AID / CPR
- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES
- REC 1200 - INTRODUCTION TO OUTDOOR RECREATION
- REC 3100 - LEADING OUTDOOR RECREATION TRIPS
- REC 3700 - RECREATION MANAGEMENT IN PUBLIC AND PRIVATE SECTORS

Take four courses from the following:

- HPE 1106 - BEGINNING ARCHERY
- HPE 1129 - ARCHERY
- HPE 1165 - HIKING
- REC 1310 - ROCK CLIMBING
- REC 1320 - MOUNTAIN BIKING
- REC 1330 - RIVER GUIDING
- REC 1340 - KAYAKING AND CANOEING
- REC 1550 - NATURE PHOTOGRAPHY
- REC 1560 - OBSERVING ANIMALS
- REC 1570 - EDIBLE/MEDICINAL PLANTS

PHILOSOPHY MINOR

Offered by the Department of History, Philosophy and Political Science
Professors Guenther, Newman
Associate Professors Bosworth, Chua, Gaskiewicz (chairperson)
Assistant Professors Holderby, McEvoy

Philosophy is concerned with exploring and reasoning through

such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Program.

18 s.h.

Program Requirements

- Take 9 credits of 3000 or 4000 level PHL courses
- Take 9 credits of PHL courses (any level)

POLITICAL SCIENCE MINOR

Offered by the Department of History, Philosophy and Political Science
Professor Guenther, Newman
Associate Professors Bosworth, Chua, Gaskiewicz (chairperson), Holderby, McEvoy
Assistant Professor Rothermel

A minor in Political Science provides an excellent complement to nearly any major. This social science discipline is devoted to the study of government and politics of the US, other countries, and the international system. Our central goal is to produce students with a well-rounded knowledge of the discipline and a set of skills that serve as a basis for careers in any number of fields after graduation. As a broad field, political science clearly relates to the study of history, philosophy, economics, psychology, geography, sociology, criminal justice, foreign languages, mass communications/public relations, and education. It also has a less obvious relationship with biology, chemistry, business, mathematics, English, and social work. Experience studying politics and government contributes to a graduate's ability to pursue advanced degrees, such as law, or other graduate work. The political science minor can support most any career, from banking, finance, sales, lobbying, education, research, law enforcement, and the civil service. The fundamental skills students learn in the field of political science are broadly and widely applied to post-graduation careers.

18 s.h.

Program Requirements

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

Take one course from the following:

- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE

POLITICS

Political Science Electives

- Take 9 credits of 3000 or 4000 level PSC courses
- Take a 3 credit PSC course (any level)

PRE-LAW MINOR

Offered by the Department of History, Philosophy and Political Science

Professors Guenther, Newman

Associate Professors Bosworth, Chua, Gaskiewicz (chairperson)

Assistant Professors Holderby, McEvoy

Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Program.

The Philosophy program also offers a Pre-Law concentration that is designed primarily for students who want to attend Law School or work in a law related field. The Pre-Law track is an interdisciplinary major that emphasizes the relationship between philosophy and several of the social sciences. The Pre-Law B.A. Program has been carefully designed to help students develop intermediate to advanced skills in critical reasoning, legal argumentation, and judicial analysis. It is a rigorous program intended to challenge students and advance their opportunities in the study of law and requires 36 credit hours of study.

Pre-Law Program

Mansfield University has an active and successful effort in the preparation of students for the study of Law. Central to this program are the Pre-Law Minor and the Pre-Law Association. Pre-Law is administered by the Philosophy Program. The Pre-Law Association is an active, student-funded organization which supplies students with various types of support in preparation for law school. This includes trips to law school fairs, advice concerning LSAT preparation programs, advice on studying for the LSAT, visits to Mansfield University from law school recruiters, advice on applying to law schools, discussions by visiting alumni attorneys or law students, etc. In order to ensure that students expressing the intention of enrolling in law school will receive the support they need, they will be expected to discuss an appropriate major for themselves with the Pre-Law advisor, depending on the area of law in which they anticipate practicing.

18 s.h.

Program Requirements

- PHL 3230 - FORMAL LOGIC

Take five courses from the following:

- BUS 4410 - BUSINESS LAW I
- CJA 3324 - JUDICIAL CRIMINAL PROCESS
- COM 4425 - PUBLIC COMMUNICATION
- PHL 3320 - PHILOSOPHY OF LAW
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 4404 - COURTS AND THE CONSTITUTION

PSYCHOLOGY MINOR

Offered by the Department of Psychology

Professors Craig, Keller, P., Loher, Murray (chairperson)

Associate Professor Brown, Verno

Assistant Professors Sechrist

The Psychology Department offers a B.S. degree in Psychology with concentrations in Psychology and Human Resource Management. The Psychology concentrations are chosen by students who (1) plan advanced study in the field, (2) intend to seek employment in a related area upon graduation, or (3) seek a liberal arts background within the Psychology major. Many graduates enter master's degree programs in counseling or related fields. All students in all concentrations must obtain grades of C or higher in PSY 1101, PSY 1151, and PSY 2206 to continue in the program. Students may retake these courses once to meet the standard. Those who fail to meet the standard will be advised in the selection of a new major.

Minors are available in Psychology and Psychology of Human Development. The Psychology minor provides a general survey of the field. The Psychology of Human Development minor provides more focused study in areas of child, adolescent, or adult development.

21-22 s.h.

Program Requirements

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Select either Option A or B

OPTION A

Take two courses from the following:

- PSY 242I - DEATH AND DYING
- PSY 330I - THEORIES OF COUNSELING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 331I - INTRODUCTION TO SMALL GROUP PROCESS
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 4422 - PSYCHOLOGY OF WOMEN
- PSY 4430 - THEORIES OF PERSONALITY
- PSY 444I - FORENSIC PSYCHOLOGY

Psychology Electives

- Take 6 credits of PSY courses (any level)

OPTION B

- MA 1125 - INTRODUCTORY STATISTICS

Take one course from the following:

- PSY 220I - PSYCHOLOGICAL ASSESSMENT
- PSY 3306 - RESEARCH METHODS II

Psychology Electives

- Take 6 credits of PSY courses (any level)

PSYCHOLOGY OF HUMAN DEVELOPMENT MINOR

Offered by the Department of Psychology
Professors Craig, Keller, P., Loher, Murray (chairperson)
Associate Professor Brown, Verno
Assistant Professors Sechrist

The Psychology of Human Development minor provides more focused study in areas of child, adolescent, or adult development.

18 s.h.

Program Requirements

- PSY 110I - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 339I - PSYCHOLOGICAL DISORDERS

Take two courses from the following:

- PSY 3292 - CHILD PSYCHOLOGY
- PSY 332I - ADOLESCENT PSYCHOLOGY
- PSY 3324 - ADULT DEVELOPMENT AND AGING

Take one course from the following:

- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 242I - DEATH AND DYING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 4422 - PSYCHOLOGY OF WOMEN
- PSY 4430 - THEORIES OF PERSONALITY

PUBLIC RELATIONS MINOR

Offered by the Department of Communication
Professor Young (chairperson)
Associate Professors Hoy, Wright, L.
Assistant Professors Bernum, Crum, Pieper
Instructors Lohrey, Mason, McIntyre

A minor in public relations provides the student a foundation in public relations principles and practice that can be applied in a variety of context and fields.

18 s.h.

Program Requirements

- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 3320 - PUBLIC RELATIONS WRITING TECHNIQUES

Take one course from the following:

- COM 3322 - CASE STUDIES IN PUBLIC RELATIONS
- COM 4420 - PUBLIC RELATIONS WORKSHOP

Take two courses from the following:

- COM 221I - PRINCIPLES OF ADVERTISING
- COM 333I - MEDIA ETHICS
- COM 440I - PERSUASION
- COM 4425 - PUBLIC COMMUNICATION
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM
- MKT 3330 - MARKETING

Take one course from the following:

- ART 2200 - FOUNDATION IN NEW MEDIA
- ART 3330 - DIGITAL PHOTOGRAPHY
- CIS 3303 - WEB SITE DESIGN

SOCIAL WELFARE MINOR

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell, Ryan

Associate Professors Madigan, Mansfield (Chairperson), Purk, Thornsley

Assistant Professors Battin, Clark, Daly, Murphy

The Social Welfare minor prepares students interested in better understanding social welfare systems in which they may work. The minor offers information on organizations, social policies, and service provision as viewed from a systems perspective.

18 s.h.

Program Requirements

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SWK 1800 - INTRODUCTION TO SOCIAL WORK
- SWK 2500 - DIVERSITY IN AMERICAN SOCIAL WELFARE
- SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I
- SWK 3302 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II
- SWK 3330 - SOCIAL POLICY

SOCIOLOGY MINOR

Offered by the Department of Applied Socio-Behavioral Studies

Professors Sidell, Ryan

Associate Professors Madigan, Mansfield (Chairperson), Purk, Thornsley

Assistant Professors Battin, Clark, Daly, Murphy

Sociology is the scientific study of human social behavior and social organizations. Sociologists examine the processes and patterns of interaction between individuals, groups, societies, and nations. They seek to explain how social forces influence individual behavior, the organization and behavior of social groups, and their interrelationships. Sociology focuses on empirical investigation of social facts, critical evaluation of information, and professional presentation of results. It also includes the development and advancement of sociological theory. Therefore, the Sociology minor provides both intellectually stimulating materials and practical training that complements the goals of other fields and benefits the future career success of students.

The Sociology minor is especially recommended for Criminal Justice, Public Relations, Marketing, and Social Work majors.

Program Requirements 18 s.h.

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

Sociology Electives

- Take 12 credits of SOC courses (any level)

SPANISH MINOR

Offered by the Department of English and Modern Languages

English faculty: Professors Doerksen, Harris, Murphy (chairperson), Pifer, Rashidi, Sornberger, Sullivan-Blum, and Ulrich

Associate Professors Barton, Guignard, Sanner and Washington

Assistant Professor Blume

Modern Languages faculty: Professors Holtman

Associate Professors Blanco, Keeth, and Oyallon

Whether you are interested in learning Spanish for personal growth or whether you are looking to enhance your career portfolio with language skills and cultural awareness, fulfilling a minor in Spanish will make you a more attractive candidate. Since there are 430 million native speakers of Spanish (making Spanish the third most commonly spoken language in the world) and over 36 million Hispanics in the United States (making it our nation's second language), Spanish is an important asset to have. Knowing Spanish will enhance your competitiveness.

15 s.h.

Program Requirements

- SPA 2201 - INTERMEDIATE SPANISH I
- SPA 2202 - INTERMEDIATE SPANISH II

Spanish Electives

- Take 6 credits of 3000 or 4000 level SPA courses
- Take 3 credits of SPA 2205, SPA 2225, and / or 3000 or 4000 level SPA courses

STATISTICS MINOR

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri, Lienhard

Associate Professors D'Ortona, Haner, Savoye, Schuerman

Assistant Professors Dietz, L. Iseri, Junius, McKee (chairperson), Phillips, Sim

The Department of Mathematics and Computer Information Science offers two mathematics baccalaureate degree programs: B.S. in Mathematics (with a choice of two concentrations: Pure and Applied), and B.S.E. Mathematics (secondary education). The B.S. program in mathematics is designed to prepare students for a wide range of careers in mathematics outside of education, or for graduate school in mathematics. The B.S.E. in Mathematics program prepares students to become certified teachers of mathematics at the secondary school level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.) There is also a minor in mathematics and a minor in statistics.

The minor in statistics provides a strong background in statistics useful in many disciplines. Students may tailor this minor to their interests by careful choice of courses. See also the Mathematics Minor.

15 s.h.

Program Requirements

Take four courses from the following:

- MA 1125 - INTRODUCTORY STATISTICS
- MA 1126 - INFERENCE STATISTICS and PROBABILITY
- MA 3308 - OPERATIONS RESEARCH
- MA 3314 - APPLIED PROBABILITY AND STATISTICS
- MA 3315 - APPLIED REGRESSION ANALYSIS
- MA 3371 - MATHEMATICAL STATISTICS I

Take one course from the following:

- BI 3350 - ECOLOGY
- BUS 3349 - BUSINESS DATA ANALYSIS II
- CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
- ECO 3305 - ECONOMETRICS
- ECO 3310 - BUSINESS AND ECONOMIC FORECASTING
- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH

- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS

STUDIO ART MINOR

Offered by the Department of Art

Professor Kutbay

Associate Professor Schlegel

Assistant Professor Anderson, Whitehouse, Chairperson

A minor in Studio Art may be declared by non-art majors and art majors. A minimum of 18 to a maximum of 24 credits constitutes a minor.

18 s.h.

Program Requirements

- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 2244 - THREE-DIMENSIONAL DESIGN

Studio Art Electives

- Take 12 credits of ART courses (any level)

WATERSHED MANAGEMENT MINOR

Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Assistant Professor Demchak, Kopf

The minor in Watershed Management provides valuable training for students interested in the environment. This minor is not available to Geography majors.

19 s.h.

Program Requirements

- GEG 3060 - PRINCIPLES OF SOIL SCIENCE
- GEG 3272 - GIS/GPS
- WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT
- WSM 3500 - WATERSHED RESTORATION
- WSM 3512 - WETLAND IDENTIFICATION and MANAGEMENT

Take one course from the following:

- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEL 3310 - HYDROLOGY

WOMEN'S STUDIES MINOR

Mansfield's Women's Studies Program cultivates an interdisciplinary program of study related to women's studies and issues. It guides the development of the 18 hour academic minor in Women's Studies and offers many extracurricular activities. Each semester, the Women's Studies Program publishes a newsletter Highlighting Women's Issues that includes writing by students, staff, and faculty. Each year it hosts several Women's Arts and Culture Events, which may feature performances, talks, readings, films, or art exhibits by women. Women's Studies Program participants serve on the Women's Studies Steering Committee and participate in Women's Studies activities, according to their time and interests. We welcome student involvement in all our activities.

18 s.h.

Program Requirements

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES
- WS 4410 - SEMINAR IN WOMEN'S STUDIES

Humanities course

Take one course from the following:

- ENG 3326 - WOMEN'S LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- HST 2210 - AMERICAN WOMEN'S HISTORY
- HST 3313 - WOMEN IN EUROPEAN HISTORY
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- MU 2205 - WOMEN IN MUSIC

Social Science course

Take one course from the following:

- COM 3334 - GENDER AND COMMUNICATION
- NUR 4402 - WOMEN'S HEALTH ISSUES
- PSY 4422 - PSYCHOLOGY OF WOMEN
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER

Women's Studies Electives

Take two courses from the following:

- ENG 2220 - SPECIAL TOPICS IN LITERATURE *
- ENG 3305 - COMPARATIVE LITERATURE *
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD *
- ENG 3320 - SPECIAL TOPICS IN LITERATURE *
- ENG 4401 - SEMINAR IN LITERARY STUDIES *
- HST 3294 - TOPICS IN AMERICAN HISTORY *
- HST 3295 - TOPICS IN GLOBAL HISTORY *
- HST 3296 - TOPICS IN EUROPEAN HISTORY *
- HST 3326 - HISTORY OF WOMEN AND TELEVISION

*when offered with Women's Studies content

COURSES

AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES

This introductory course provides a broad-based overview of African American life and culture. Through a variety of cross-disciplinary perspectives, including history, literature, philosophy, politics, socio-economics, and the arts, students gain insights into the black experience as it relates to their individual lives, the country, and the larger world. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Ethics and Civic Responsibility, Humanities

ACC 1110 - PRINCIPLES OF ACCOUNTING I

Introduces fundamentals of accounting, which is “the language of business”. It includes the accounting cycle, balance sheet and income statement preparation, and internal controls. Other topics include accounting for cash, receivables, merchandise inventory, plant assets and intangibles, and ethics. Credits: 3 cr.

ACC 1111 - PRINCIPLES OF ACCOUNTING II

A continuation of ACC-1110, includes current and long-term liabilities, payroll, corporate accounting, cash flows, and financial statement analysis. Introduces managerial accounting concepts, including manufacturing accounting and budgets, and costing tools. Covers concepts of ethical behavior in accounting practice. Prerequisites & Notes: ACC 1110. Credits: 3 cr.

ACC 3310 - INTERMEDIATE ACCOUNTING I

An intensive study of accounting principles and problems of fairly presenting a financial position; measurement of assets, liabilities; preparation of financial statements. Prerequisites & Notes: ACC 1111. Credits: 3 cr.

ACC 3311 - INTERMEDIATE ACCOUNTING II

Further study of generally accepted accounting principles; corporate earnings per share, tax allocation, pensions, leases, inflation. Prerequisites & Notes: Prerequisite: ACC 1111. Credits: 3 cr.

ACC 3314 - AUTOMATED ACCOUNTING SYSTEMS

An introduction to the development and implementation of an accounting information system. A real commercial system will be analyzed and then used by students to process accounting case studies. Prerequisites & Notes: ACC 1111 and CIS 2203. Credits: 3 cr.

ACC 3320 - ADVANCED ACCOUNTING I

A critical study of financial measurement and reporting for business partnerships, combinations, consolidated financial statements, business components, foreign currency transactions, derivatives, translation of foreign statement, and the international accounting environment. Other topics vary. Prerequisites & Notes: Prerequisite: ACC 3311 Credits: 3 cr. GenEd Req: Global Awareness

ACC 3350 - COST ACCOUNTING I

Studies management uses of cost information. Topics include job order costing, activity-based costing and management, budgeting, and inventory costing. Examines how costs behave for decision making. Other topics vary. Prerequisites & Notes: Prerequisite: ACC 1111. Credits: 3 cr.

ACC 3370 - FRAUD EXAMINATION

This course is designed to provide managers, investigators and forensic accountants with an appreciation for the extent and nature of fraudulent activity. Common methods to detect and prevent fraud in business are studied. Fraudulent financial statements and the misappropriation of assets are considered. Prerequisites & Notes: Prerequisite: ACC 1111. Credits: 3 cr.

ACC 3380 - TOPICAL SEMINAR

The study of selected topics in accounting and current issues in financial reporting such as: non-profit accounting, governmental accounting, international accounting, income tax legislation. Prerequisites & Notes: Prerequisite: ACC 1111. Credits: 3 cr.

ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING

Explores the application of the personal income tax law to the taxpayer as an individual and a business proprietor. Topics include tax determination, gross income, deductions, business and employee expenses, tax credits, modified accelerated cost recovery, capital asset transactions. Prerequisites & Notes: Prerequisites: 45 credit hours earned. Credits: 3 cr.

ACC 3450 - ACCOUNTING PRACTICUM

Supervised and evaluated participation in the regular accounting related activities of a business organization, government agency or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to document work experience and have positive performance evaluation from immediate supervisor. Prerequisites & Notes: 30 earned credits. Credits: 1-5

ACC 4400 - AUDITING

A study of auditing theory and standards, professional ethics and auditor's legal liability, with in-depth analysis of the audit process including risk assessment, the theory and auditing of internal control systems, audit evidence, working papers, and the preparation of audit reports. Prerequisites & Notes: Prerequisite: ACC 3310 and ACC 3311 Credits: 3 cr.

ACC 4450 - ACCOUNTING INTERNSHIP

Supervised and evaluated participation in the regular activities of a business, government agency, or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the field experience and have a positive performance evaluation by immediate supervisor. May be taken for 6-15 credits. All credits are free electives. Prerequisites & Notes: 60 earned credits. Credits: 1-12

ACC 4497 - INDEPENDENT STUDY I

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

AHD 1101 - INTRODUCTION TO CAREER DEVELOPMENT

This course is designed to facilitate the exploration of career interests for students who are uncertain of their career direction, as it relates to a choice of college major. The course is also

designed to help facilitate student self assessment of talent, skills, and interest. Each student will explore their academic strengths, individual personality traits and develop goals and objectives toward the declaration of an appropriate college major. Real life experiences and work histories will also be analyzed to help discover current and past values, interest(s), and goals. Credits: 1 cr.

AHD 1102 - LEARNING STRATEGIES FOR HIGHER EDUCATION

Designed to enhance and develop learning strategies for creating academic success. Topics will include but not be limited to: meta-cognition, collaborative learning and learning strategies. Students will have the opportunity to directly apply new learning strategies to enhance their current course work. Credits: 1 cr.

AHD 2201 - PERSONAL DEVELOPMENT/LIFE CHOICES

This course will give each student an opportunity to examine their personality, life management skills, values and the relationship to making appropriate life choices. The course is designed to increase each student's awareness of the responsibilities and control they can impact upon their own life experiences through a holistic approach to living. A strong emphasis will be placed on a rational-emotive, reality-oriented approach to everyday life management skill building and healthy self-esteem development and leadership. Credits: 3 cr. GenEd Req: Wellness

ANH 1101 - CULTURAL ANTHROPOLOGY

Introduction to culture as a conceptual mode and to the variations in behavior systems found among human societies. Cultural institutions are examined including the process associated with their development and change. This course provides a basic introduction to cultural anthropology, the study of human cultural variation across time and space. It will follow an evolutionary framework in dealing with human cultural systems including kinship, social organization, political organization, language, economics, and religion. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Global Awareness, Social Sciences

ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY

An overview of the human organism. Emphasis involves organization, maintenance, movement and support, integration, reproduction, genetics, evolution, and ecology of humans. Credits: 3 cr. Dual Listed/Cross Listed: BSC 1104 GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Global Awareness, Social Sciences

ANH 1103 - INTRODUCTION TO ARCHAEOLOGY

Archaeology is the study of culture and society through their material remains. This course explores how archaeologists investigate, interpret, preserve, and ultimately, learn from the past. Reviews human cultural history from the time of the first people to the present, addressing not only artifacts and remains, but the origins of food production, social hierarchies, gender roles, religion, and civilization. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Global Awareness, Information Literacy, Social Sciences

ANH 1104 - INTRODUCTION TO LINGUISTIC ANTHROPOLOGY

This course explores “the nature of language.” looking at what language is, how we learn and use language, and how language functions in and shapes our lives. Credits: 3 cr. Dual Listed/Cross Listed: ENG 1175. GenEd Req: Information Literacy

ANH 2995 - MEDICAL ANTHROPOLOGY

A broad overview of medical anthropology, including cultural analyses of health and disease, the social construction of sickness and health, and both Western (biomedical) and non-Western systems of healing. Addresses the cultural issues relevant to sickness and health care by exploring how the lens of medical anthropology may be used to understand culturally specific responses to life processes universal to all human societies. Topics include cross-cultural approaches to symbol and ritual, shamanism and spiritual forms of healing, the social construction of sickness and health, mental illness, and the health problems related to globalization. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Global Awareness, Social Sciences, Writing

ANH 3280 - ANTHROPOLOGICAL LINGUISTICS

Methods of analysis and description of language and ways in which human beings use their language. Of interest to students who wish to continue the study of linguistics as well as those in a variety of professions who wish to read with understanding linguistic literature in their own field. Credits: 3 cr. Dual Listed/Cross Listed: ENG 3281. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Global Awareness, Information Literacy, Social Sciences

ANH 3296 - EUROPEAN ETHNOGRAPHY

A special area of European history that is of current interest. Credits: 3 cr. Dual Listed/Cross Listed: HST 3296. GenEd Req: Global Awareness

ANH 3311 - ETHNOGRAPHIC RESEARCH

Ethnographic research relies on up-close, personal experience and participation, rather than surveys and experiments. This course prepares students to conduct all aspects of independent ethnographic research, including data collection, analysis, and writeup. Through hands-on experience, students will be comprehensively trained to address ethical concerns, secure funding, select appropriate fieldwork methods, conduct life history interviews, and produce professional scholarly reports. Prerequisites & Notes: ANH 1101 or SOC 1101. Credits: 3 cr. GenEd Req: Information Literacy, Honor's, Social Sciences, Writing

ANH 3332 - ANTHROPOLOGY OF COMMUNICATION

This course explores theory and practice related to communicating across cultures. Attention is given to verbal and nonverbal communication in varying cross-cultural contexts including dyadic, small group, and public communication situations with examination of dominant cultures and co-cultures. Students should develop an appreciation of global differences among global cultures as well as practical understanding of how to communicate effectively with people who are different from themselves. Credits: 3 cr. Dual Listed/Cross Listed: COM 3332. GenEd Req: Global Awareness

ANH 3333 - SOUTH AND SOUTHEAST ASIAN ETHNOLOGY

An historical study of the peoples of South and Southeast Asian countries from ancient to the present. Also covers the indigenous religions of the region. Includes the Indian subcontinent and SE Asian countries such as Indonesia, Malaysia, Singapore, Thailand, Cambodia, and Vietnam. Credits: 3 cr. Dual Listed/Cross Listed: HST 3275. GenEd Req: Global Awareness

ANH 3335 - PALEOANTHROPOLOGY

Examines the origin and subsequent evolution of life over the past four billion years. The paleobiology and geologic history of major animal and plant group are discussed. The course includes field trips to local and regional fossil sites. Prerequisites & Notes: BI 1110, BI 1130 and BI 3350. Credits: 3 cr. Dual Listed/Cross Listed: BI 3355.

ANH 3350 - SELECTED TOPICS SEMINAR

Review of a specialty area in anthropology or the study of a problem from an interdisciplinary position. Credits: 1-6 cr. Notes: May be taken for 1 through 6 credits. GenEd Req: Global Awareness

ANH 3390 - EVOLUTION

A study of the basic theory, mechanisms, and pathways of natural selection. Also studies the development of evolutionary thought from antiquity to the current gradualist and punctuated equilibrium models. Both genetic and paleontological data are analyzed in examining micro and macroevolutionary scenario. Prerequisites & Notes: BI 1110, BI 1130, and BI 3350. Credits: 3 cr. Dual Listed/Cross Listed: BI 3391.

ANH 4440 - ANTHROPOLOGY OF RELIGION

This course explores how societies construct meaning through belief systems. Symbolic systems that will be explored cross-culturally include indigenous religion, witchcraft, magic, shamanism, and cultural spirituality. Students will study the evolution of religious values over time and the impact of religion on society. Credits: 3 cr. GenEd Req: Global Awareness

ANH 4442 - THE ANTHROPOLOGY OF CRIME AND PUNISHMENT

Punishment (from the Latin *punire*, stemming from the Greek *poena*, punishment), is the infliction of pain or loss upon a person for a crime, i.e. the transgression against a law, command, or the social order. Culturally speaking, actions considered to be crimes differ from one society to another; likewise, conceptions of crime may vary within one cultural area as it changes over time. As cultural conceptions of crime have changed through time and space, so have the philosophies and means of punishment. In order to understand the various modalities of punishment in the West, in this course we will examine the evolution of punishment in the European workhouses, debtor's prisons, and protracted executions of the Middle Ages, culminating in the high-tech methods of punishment today. Credits: 3 cr.

ANH 4445 - PROFESSIONAL DEVELOPMENT

A workshop-style course to develop students' professional skills. It prepares students to organize their skills and expertise, and exposes them to networks in their area of interest. It equips students with necessary tools for career entry and advancement. Credits: 1 cr.

ANH 4471 - THE ANTHROPOLOGY OF MESOAMERICA

Mesoamerica - or "middle America" - is the southernmost part of North America, connecting it with its sister continent to the south. Through the accounts of scientists, explorers, and missionaries, this course examines the history, religion, art, and cultures of the ancient and modern peoples of Mesoamerica. We will scrutinize various explanations for the emergence and mysterious collapse of the Olmec, Maya, Aztec, and others. We will examine the rise and fall of civilizations, the history and impact of European contact and domination, and the contemporary struggles for cultural identity and indigenous empowerment which characterize the region. Credits: 3 cr. Dual Listed/Cross Listed: HST 4471. GenEd Req: Global Awareness, Information Literacy

ANH 4490 - FIELD STUDY

Supervised field work in any subdiscipline of anthropology: physical, archaeology, linguistic, or cultural anthropology. Individually arranged. Prerequisites & Notes: Prerequisites: Upper class standing in the anthropology tract of the sociology/anthropology major, or permission of the instructor. Credits: 3-12 cr. GenEd Req: Information Literacy

ANH 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

ANH 4499 - APPLIED ANTHROPOLOGY

This course prepares students to apply social science research skills in assessing and finding solutions to community problems. Students will learn concepts, methods, and analysis strategies in qualitative and quantitative research methods appropriate for their research topics. It also provides students with skills to write a research paper for presentation purpose. Credits: 3 cr. GenEd Req: Information Literacy

ARE 2211 - INTRODUCTION TO ART EDUCATION

This is a preparatory art education class that will focus on art curriculum, lesson plan design, familiarize students with the National and State Visual Arts Standards, developmental stages and methods of teaching and behavior management in the art classroom. Includes projects, discussions, and elementary and high school observations. Students will begin building a project file and teaching portfolio. Credits: 3 cr.

ARE 3291L - HIGH INCIDENCE DISABILITIES - ART LAB

The focus of this course will be the application of information taught in SPE-3291; specifically instruction with needed modifications and development of adaptations and accommodations for the Pre-K-12 art classroom; observations, development of adapted lesson plans and materials and teaching experiences will be included. Lab to be taken concurrently with SPE-3291 - High Incidence Disabilities. Credits: 0 cr.

ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS

Provides an historical and philosophical background in art education. Students experience in-depth lesson plan and curriculum writing. Students will observe in art classrooms and

will teach K-8 under the guidance of the professor. Emphasis is placed upon developing methodology for motivation and classroom management in preparation for the semester of student teaching. Just have attained Junior status. Prerequisites & Notes: Prerequisite: ARE 2211 or Co-requisite: ED 2205. Credits: 3 cr. GenEd Req: Information Literacy

ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS

Provides in-depth experience in lesson plan writing and creating curriculum in art at the secondary level. Students have the opportunity to teach art at an area high school under the supervision of the professor with the cooperation of a high school art teacher. Emphasis is placed upon developing an understanding of motivation and classroom management in preparation for the semester of student teaching. Prerequisites & Notes: ARE 2211 and ED 2205. Credits: 3 cr. GenEd Req: Information Literacy

ARE 4400 - STUDENT TEACHING

Provides practical experience in teaching art at the elementary and secondary levels under the guidance of a cooperating teacher. Observations and conferences scheduled by the departmental supervisor are held on a periodic basis. Enables students to apply knowledge and skills acquired in the Art Education program. ARE 4400 is required for students seeking certification to teach. Credits: 12 cr.

ARE 4403L - ART EDUCATION SEMINAR LAB

This course is designed to help students in art education develop a professional approach to careers as artist-educators. Concentrating on the many preparations and processes helpful to beginning art educators, student teachers will meet to discuss successes and problems presented by their teaching experience. Credits: 0 cr. GenEd Req: Professional Elective

ARE 4440 - ART EDUCATION FIELD EXPERIENCE

The course engages students in participating as an art educational aide in one or more of the following settings: pre-schools, K-12 art classrooms, after-school programs, museums, and/or residential treatment centers. Learner activities will include observation of art education programs, studio and critical response activities, and the design of curriculum plans and instructional materials appropriate for the individual settings. Students are responsible for their own transportation to the placements. Prerequisites & Notes: ED 1110, ARE 2211, SPE 1101, SPE 2276, ED 2205, ARE 3390 and ARE 3393. Co-requisites: SPE 3352, SPE 3291, ARE 3291L. Credits: 3 cr. Dual Listed/Cross Listed: ARE 5540.

ARH 1101 - INTRODUCTION TO ART

An approach to the dominant movements and ideas of the Western World as they evolved in visual arts from the cave art origins to the 20th Century systems. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience, Fine Arts

ARH 3318 - CONTEMPORARY ART

A global approach to the dominant movements and ideas in art from 1960 to the present. Selected works from North America, Latin America, Europe, Asia, Australia and Africa will be examined. Discusses painting, sculpture, installations, performance, new media, photography, and architecture with attention to historical context and criticism. Considers neoexpressionist, feminist,

minority, political, and public art. Prerequisites & Notes: ARH 1101. Credits: 3 cr.

ARH 3320 - ART OF AFRICA AND OCEANIA

The study of prehistoric and primitive art from the Paleolithic period: Africa, Asia, Australia, Europe, Mexico, the Americas, and the South Seas. Prerequisites & Notes: Prerequisite: ARH 1101 or 1102. Credits: 3 cr.

ARH 3321 - MEDIEVAL ART

Overview of western architecture, painting, sculpture, and minor arts from the fourth through the fourteenth centuries. Includes Early Christian, Byzantine, Carolingian, Ottonian, Romanesque, and Gothic. Prerequisites & Notes: Take ARH 1101 or 1102 ARH 3322 - ART OF THE RENAISSANCE

Comprehensive study of architecture, painting, and sculpture in Italy, Flanders, Holland, Germany, England, France, and Spain with emphasis on the general characteristics of the Renaissance. Prerequisites & Notes: ARH 1101 or ARH 1102. Credits: 3 cr.

ARH 3323 - BAROQUE AND ROCOCO ART

A comprehensive study of painting, sculpture, and architecture from 1600 to 1750 in Italy, Flanders, Germany, Austria, Holland, Spain, France and England. Prerequisites & Notes: ARH 1101 or ARH 1102. Credits: 3 cr.

ARH 3326 - ASIAN ART

Study of art in China, India, and Japan in the areas of architecture, painting, pottery, sculpture, and the minor arts. Trace influences central to the development and spread of important styles and the relationship of art to the classics of Oriental aesthetics. Credits: 3 cr.

ARH 3328 - HISTORY OF ARCHITECTURE

Study of architecture, styles, and methods of construction from the earliest civilizations to the present. Analyzes the outstanding contributions in architecture of the various cultures with emphasis on further development and influences, citing important examples and their architects. Prerequisites & Notes: ARH 1101 or ARH 1102. Credits: 3 cr.

ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART

Survey of Early African art to contemporary African-American art, appraises the past and present performance of African-American artists and their contributions to American art history. Credits: 3 cr.

ARH 3330 - HISTORY OF AMERICAN ART

Comprehensive study of the heritage of American art from the Limners and Artisans of colonial times through the 20th century in painting, architecture, and sculpture; emphasizing aesthetic values, movements, trends, and contributions of significant artists. Prerequisites & Notes: ARH 1101 and ARH 1102. Credits: 3 cr.

ARH 3331 - HISTORY OF MODERN ART

Overview of the dominant movements and ideas in art and architecture from the 1880's to 1970. Includes Impressionism, Post-Impressionism, symbolism, Art Nouveau, Fauvism, German Expressionism, Cubism, Futurism, Dada, Surrealism, Suprematism, Constructivism, De Stijl, Abstract Expressionism, Color-Field, Minimalism, Pop, Realism, and Superrealism. Prerequisites & Notes: ARH 1101 or ARH 1102. Credits: 3 cr.

ARH 3332 - THE ART OF ANCIENT EGYPT

A comprehensive study of architecture, sculpture, and painting in ancient Egypt from its prehistoric beginnings to the Christian era. Prerequisites & Notes: ARH 1101. Credits: 3 cr.

ARH 3333 - ART OF ANCIENT ROME

Overview of the art and architecture of the ancient Roman world, covering Italy and the provinces of the Roman Empire, from the 8th century B.C.E. to the 5th century C.E.. Prerequisites & Notes: ARH 1101. Credits: 3 cr.

ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE

Explores the relationship between art and mythology in ancient Greece from the Bronze Age through the Classical and Hellenistic periods. Prerequisites & Notes: ARH 1101 or ARH 1102. Credits: 3 cr. Dual Listed/Cross Listed: ARH 5508. GenEd Req: Global Awareness, Information Literacy

ARH 4409 - WOMEN IN ART

A study of the accomplishments and contributions of women in art and architecture from antiquity to the 20th century. Women as subjects in art will also be examined with emphasis on the cultural and artistic milieu in which they are represented. Prerequisites & Notes: ARH 1101 or ARH 1102. Credits: 3 cr. Dual Listed/Cross Listed: ARH 5509.

ARH 4410 - WOMEN IN ANCIENT GREEK ART

This course explores women as subjects and patrons of ancient Greek art, with emphasis on the cultural and artistic milieu in which they are represented. Credits: 3 cr. GenEd Req: Global Awareness

ARH 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr.

ART 1107 - GLOBAL ART

A multicultural approach is taken in this course that integrates western and non-western traditions. This is pursued by an overview of the general history of image and form in painting, sculpture, ceramics, architecture, jewelry, etc. Through a thematic design, the course looks at visual creations from several angles encompassing the social, cultural, ethnic, historical, political, and gender. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Information Literacy

ART 2200 - FOUNDATION IN NEW MEDIA

A foundation course in understanding the hardware, software, methodologies and techniques involved in digital illustration and imaging. This course introduces the terms, applications, and skills necessary for all upper level computer generated art and design work. Credits: 3 cr.

ART 2218 - PHOTOGRAPHY

The study of black and white, and digital photography. Emphasis is on camera skills, darkroom techniques, and the understanding of photographic imagery. Credits: 3 cr.

ART 2238 - MULTICULTURAL CRAFTS

This is a beginning class in the exploration of a variety of 2-D and 3-D crafts ideas from around the world. Projects will span ancient history through contemporary time. Students will be required to work with a variety of materials and equipment. Students will learn how the applied arts fit within the concept of and relate to “fine” art. Credits: 3 cr. GenEd Req: Global Awareness

ART 2240 - TWO-DIMENSIONAL DESIGN

An introduction to two-dimensional design through the use of various media. This course will explore the creative use of color and elements of design, stressing their function and relationships. Credits: 3 cr.

ART 2244 - THREE-DIMENSIONAL DESIGN

Three-Dimensional Design is an introduction to the relationship between ideas and the creation of three-dimensional objects. Students will explore the principles and elements of design as they apply to the creation of three-dimensional works of art. Credits: 3 cr.

ART 2248 - DRAWING

Builds those skill and attitudes necessary for the remainder of the program. Introduces the two- dimensional and three-dimensional aspects of drawing and develops personal power of expression. Designed to stimulate creative thinking, develop sensitivity to the arts element, sharpen impressions and the visual memory. Prerequisites & Notes: ART 2240. Credits: 3 cr.

ART 2250 - FIGURE DRAWING

The second foundation course in drawing concentrates on the visual language of the proportion, gesture, and composition of the human figure. Focus will be on the figure as both inspiration and subject matter in Art Exploration of ideas, techniques and “master” works included. Prerequisites & Notes: ART 2248. Corequisite: ART 2240. Credits: 3 cr. Dual Listed/Cross Listed: ART 3350 and ART 5550.

ART 3261 - WATER BASE MEDIA

Explores water base media (transparent, gouache, acrylic polymer) with the intent of establishing a broad base of understanding needed to accomplish personal goals. Credits: 3 cr. Dual Listed/ Cross Listed: ART 5513.

ART 3271 - CERAMICS

The study of hand and wheel methods of forming. Introduces the principles of glaze formulation, kiln stacking, and firing. Credits: 3 cr. Dual Listed/Cross Listed: ART 4471 and ART 5571. GenEd Req: Global Awareness

ART 3281 - SCULPTURE

Exploration of three dimensional design as related to sculpture. Basic techniques of stone and wood carving will be explored in addition to various methods of material build-ups (wood, plaster, Plexiglas, metal, etc.). Credits: 3 cr. Dual Listed/Cross Listed: ART 5581.

ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES

Studies the philosophic theories of art, aesthetic experience, principles and criticism in the nature and comprehension of the character of arts, the artist, and his/her relationship to life. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

ART 3301 - PAINTING

An introduction to the use of color, light and value. Compositional problems are taken from observation and imagination. Experimenting in both acrylic and oil based media techniques. Surface preparation and exploring “master” works will be included. Prerequisites & Notes: ART-2240, ART 2248 and ART 2250. Credits: 3 cr.

ART 3318 - ADVANCED PHOTOGRAPHY

A more in-depth study and understanding of black and white and digital photography. Prerequisites & Notes: ART 2218. Credits: 1 - 6 cr. Notes: May be repeated for a minimum of 12 credits.

ART 3330 - DIGITAL PHOTOGRAPHY

A course designed for the non-art major using a hands-on approach to learning the digital camera in acquiring images, in preparing them on the computer for print, and in presenting prints in various formats. Prerequisites & Notes: 45 earned credits. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

ART 3331 - PRINTMAKING

Introduction to the printmaking processes of linocut, woodcut, lithography, serigraphy, etching, intaglio, and drypoint with emphasis on their use for creative expression. Prerequisites & Notes: Restricted to ART students only. Credits: 3 cr. Dual Listed/Cross Listed: ART 5514.

ART 3338 - MULTICULTURAL CRAFTS

This is an advanced class in the exploration of a variety of 2-D and 3-D craft ideas from around the world. Projects will span ancient history through contemporary time and investigate the importance of crafts in societies. Students will be required to work at an advanced level with a variety of materials and equipment. Prerequisites & Notes: ART-2238. Credits: 1 – 6 cr. GenEd Req: Global Awareness

ART 3342 - DESIGN AND ADVERTISING

A comprehensive survey of basic principles and practices in graphic design and advertising, as well as their relationship to economy, society, and system of mass communication. Psychological and creative factors, as well as the visual and verbal relationships involved in design, advertising, campaign, media and research are explored. Prerequisites & Notes: GRA 2202. Credits: 3 cr.

ART 3345 - 2-D FIBERS

Surface Design. This course explores techniques used by ethnic peoples across the world to decorate and embellish cloth. The color of cloth is altered with dyes through batik, stenciling, painting and tie-dye. The cloth is enriched with embroidery, beading and quilting. Floor looms are used to explore color and pattern in woven textiles. Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250 or permission of instructor. Credits: 3 cr. Dual Listed/Cross Listed: ART 4444 ART 5545.

ART 3348 - ADVANCED DRAWING

The direction of the course of study is determined by the student and instructor. Prerequisites & Notes: ART 2248. Credits: 1 - 12 cr.

AR 3350 - ADVANCED FIGURE DRAWING

An advanced drawing course concentrating on the visual language of the proportion, gesture, and composition of the human figure. Focus will be on the figure as inspiration, subject matter and abstraction. Exploration of ideas, techniques and “master” works included. Prerequisites & Notes: ART 2248 and ART 2240. Credits: 1 – 6 cr. Dual Listed/Cross Listed: ART 2250 and ART 5550.

ART 3351 - JEWELRY

Study of two and three dimensional design concepts with emphasis on individual solutions in the medium of metal. Both precious and common materials will be used. Traditional techniques of jewelry making will be explored. Credits: 3 cr.

ART 3362 - ADVANCED WATER BASE MEDIA

The student and instructor determine the direction in the course of study. Prerequisites & Notes: Prerequisite ART 3261. Credits: 1 - 12 cr.

ART 3365 - DIGITAL IMAGING AND ILLUSTRATION

Introduction to the methods, techniques, and approaches to using the computer as a tool for visual communication. This course provides conceptual strategies and effective, workable knowledge of software programs that can be applied to the area of creative expression and teaching. Prerequisites & Notes: ART-2240 and ART 2200. Credits: 1 - 6 cr. Dual Listed/Cross Listed: ART 4465 and ART 5565.

ART 3393 - SPECIAL TOPICS

The course is constructed each time it is offered to address different contemporary or historical issues, media and/or techniques of importance in art and art education. This course is recursive for 9 credits. Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250. Credits: 3 cr.

ART 3446 - 3-D FIBERS

Fibers construction. This course follows the fiber constructions used by ancient peoples to create textiles. Felting leads to spinning. Knitting and knotless netting lead into weaving and basketry. The floor looms are used to explore color and pattern in woven textiles. Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250. Credits: 3 cr. Dual Listed/Cross Listed: ART 4446 and ART 5546.

ART 4401 - ADV OIL PAINTING

The student and instructor determine direction in the course of study. Prerequisites & Notes: ART 3301. Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

ART 4403 - SEMINAR

Provides art students with the opportunity to exchange ideas, enhance critical dialectic, and to participate in activities relevant to the professional artist and art educators. In addition, students enrolled in Art Seminar will compile, focus, reflect, and organize their educational experience at Mansfield University into an electronic vita and professional portfolio. This course will further prepare art education and art studio majors for either graduate school or professional employment. Credits: 2 cr.

ART 4404 - SPECIAL PROBLEMS IN ART

Designed for students interested in extending their scope or gaining depth in specific academic areas related to art and/or education. Since needs and conditions change with each student, the requirements and restrictions are determined by and arranged with the chairperson. Credits: 1 - 6 cr. Notes: May be taken for 1 through 6 credits.

ART 4430 - ADVANCED DIGITAL PHOTOGRAPHY

An advanced course designed to focus on various techniques in shooting and digitally processing images with the purpose of developing communication skills and artistic visual language. Prerequisites & Notes: ART 3330. Variable Credits: 1-6 cr. Dual Listed/Cross Listed: ART 3330 ART 5530.

ART 4431 - ADV PRINTMAKING

This course includes advanced problems and processes in woodcut, lithography, serigraphy, and drypoint intaglio. Prerequisites & Notes: ART 3331. Credits: 1 - 12 cr. Notes: May be repeated for a maximum of 1-2 credits.

ART 4442 - ADVANCED ADVERTISING, DESIGN, AND LETTERING

An advanced course that explores the principles and practices of advertising and their relation to society and mass communication. Emphasis will be placed on new computer technology in the field of design, research, and media. Prerequisites & Notes: ART 3342. Credits: 1 - 3 cr.

ART 4445 - ADVANCED FIBERS

Direction of the course of study is determined by the student and instructor. Prerequisites & Notes: ART 3345. Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

ART 4446 - ADVANCED 3-D FIBERS

Fibers construction II. Advanced fiber constructions used by ancient peoples to create textiles. Felting leads to spinning. Knitting and knotless netting lead into weaving and basketry. The floor looms are used to explore color and pattern in woven textiles. Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250. Credits: 1 - 6 cr. Dual Listed/Cross Listed: ART 3446 and ART 5546.

ART 4451 - ADV JEWELRY

The direction of the course of study is determined by the student and the instructor. Prerequisites & Notes: ART 3351. Credits: 1 - 12 cr. Notes: May be repeated for a maximum of 12 credits.

ART 4461 - ADVANCED WATER BASE MEDIA

The student and instructor determine direction in the course of study. Prerequisites & Notes: ART 3261. Credits: 1 - 12 cr.

ART 4465 - ADVANCED DIGITAL IMAGING AND ILLUSTRATION

An advanced course in the methods, techniques, and approaches to using traditional hand processes, together with the computer, as a tool for visual communication. This course provides advanced conceptual and applied knowledge, to solve complex problems, which can be applied to the area of creative expression and teaching. Prerequisites & Notes: ART 3365. Credits: 1 - 6 cr.

ART 4471 - ADVANCED CERAMICS

The student and instructor determine direction in the course of study. Prerequisites & Notes: ART 3271. Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

ART 4481 - ADVANCED SCULPTURE

The student and instructor determine direction in the course of study. Prerequisites & Notes: ART 3281. Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

ART 4489 - INTERNSHIP

A practical experience in a selected field of artistic endeavor designed to meet the students needs. Credits: 1 - 12 cr. Notes: May be taken for 3 through 12 credits.

ART 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1, 2, or 3 credits at one time.

AST 1105 - THE EXPLORATION OF THE SOLAR SYSTEM

A descriptive astronomy course concerning contemporary astronomical and astrophysical theories about the solar system. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

AST 1106 - ONE POSSIBLE UNIVERSE

A descriptive astronomy course concerning contemporary astronomical and astrophysical theories about the universe. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

AST 1109 - OBSERVING THE WINTER SKY

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during winter. Students also learn pertinent historical, legendary, and astronomical facts about them. Credits: 1 cr. GenEd Req: Natural Sciences

AST 1110 - OBSERVING THE SPRING SKY

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during the spring. Students also learn pertinent historical, legendary, and astronomical facts about them. Credits: 1 cr. GenEd Req: Natural Sciences

AST 1111 - OBSERVING THE SUMMER SKY

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during the summer. Students also learn pertinent historical, legendary, and astronomical facts about them. Credits: 1 cr. GenEd Req: Natural Sciences

AST 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

BI 1100 - ORIENTATION TO BIOLOGY

Orientation to scientific disciplines with particular emphasis on biological sciences. Features guest speakers both from within and outside the university who will address current trends and opportunities in the biological fields. Required of all biology majors. Prerequisites & Notes: Restricted to Biology majors. Credits: 1 cr.

BI 1110 - ZOOLOGY

An evolutionary approach to the study of the animal kingdom, with attention given to the development of organ systems throughout the several phyla of invertebrates and vertebrates. Function, correlated with structure and taxonomic features, is emphasized. Additional evidence for evolution is included through an introduction to genetics, embryology, and ecology. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

BI 1111 - FISH CULTURE I

The technology of controlled husbandry of fish in flowing water. Major emphasis on solving problems relative to the intensive aquaculture. Prerequisites & Notes: BI 1100 and BI 1110 or permission of instructor. Credits: 3 cr.

BI 1112 - FISH CULTURE II

The technology of controlled husbandry of fish in standing water. Major emphasis on the science of extensive aquaculture. Prerequisites & Notes: BI 1110. Credits: 3 cr.

BI 1130 - BOTANY

A study of plant structure, function, development diversity, and evolution. Practical applications in forestry, agronomy, gardening, and horticulture are included. Prerequisites & Notes: BI 1100 or permission of instructor. Credits: 4 cr. GenEd Req: Natural Sciences

BI 3290 - RESEARCH METHODS

Students will learn to design, conduct, and present empirical biological research. Topics to be covered will include the scientific method, experimental design, statistical analysis, biological literature, presentation of research, and research proposals. Students will also conduct group research projects. Prerequisites & Notes: BI 1110 and BI 1130. Credits: 2 cr.

BI 3310 - PHYSIOLOGY

A systematic study of the life processes and functions of the animal body with particular emphasis on the mammalian vertebrate. Prerequisites & Notes: BI 1110. Credits: 4 cr.

BI 3312 - VERTEBRATE ANATOMY

A history of vertebrates and comparative systems through the major vertebrate groups correlating their historical development. Prerequisites & Notes: BI 1110. Credits: 3 cr.

BI 3314 - ICHTHYOLOGY

A laboratory and field study of the fishes inhabiting the lakes and rivers of this area constitute the major portion of this course. Collection, measurement and chemical data as related to fish populations, management, and meristic characters will be collected and analyzed. Prerequisites & Notes: BI 1110. Credits: 3 cr.

BI 3315 - FISH PATHOLOGY

A consideration of the diagnosis and treatment of diseases commonly found in hatchery fish. Diseases of bacterial, viral, parasitic, and environmental origin are studied together with recommended treatment for each. Prerequisites & Notes: BI 1110. Credits: 3 cr.

BI 3316 - INVERTEBRATE ZOOLOGY

An integral evolutionary approach to the anatomy, physiology, and ecology of protozoan Protista and Animalia phyla: Porifera through nonvertebrate Chordata. Prerequisites & Notes: BI 1110. Credits: 3 cr.

BI 3317 - PARASITOLOGY

A systematic study of host-parasite relationships. Emphasis involves life-cycles and comparative characteristics of parasitic protozoans, helminths and arthropods. Prerequisites & Notes: BI 1110. Credits: 3 cr.

BI 3318 - ORNITHOLOGY

A study of the physiology, development, ecology, behavior, and evolution of birds. In the laboratory, students will learn to identify local bird species in the field, and will become familiar with the bird families of the world. Course includes required field trips. Prerequisites & Notes: BI 1110. Credits: 3 cr. GenEd Req: Information Literacy

BI 3319 - AQUATIC ENTOMOLOGY

The content of this course will cover the biology and ecology of the aquatic insects of North America. The lab portion of the course will involve a number of collecting trips to local aquatic environments to study aquatic insects in the field. Students will also collect insects for study and identification in the lab. The course content will be taught as it relates to the study and analysis of aquatic insect communities as done by state and federal environmental agencies. Prerequisites & Notes: BI 3351. Credits: 3 cr.

BI 3330 - PLANT PHYSIOLOGY

Designed to develop an understanding of the chemical and physical processes occurring in plants including respiration, photosynthesis, hormonal activity, osmosis, transpiration, mineral absorption and translocation. The laboratory work will involve analysis of these functions. Prerequisites & Notes: BI 1130. Credits: 3 cr.

BI 3331 - LOCAL FLORA

Taxonomic and ecological study of local flowering and non-flowering plants. Prerequisites & Notes: BI 1130. Credits: 3 cr.

BI 3333 - PLANTS AND PEOPLE

An examination of the uses of plants by humans around the world. Topics will include origins of agriculture, medicinal plants, foods and spices, wood and bamboo products, and ornamental plants. Field trips will include visits to natural healers, botanical gardens, orchards and wineries, and wild edible and medicinal plant walks. Prerequisites & Notes: BI-1130 or permission of instructor. Credits: 3 GenEd Req: Global Awareness

BI 3350 - ECOLOGY

A study of the fundamental ecological principles of plants and animals in their environment. Credits: 4 cr.

BI 3351 - LIMNOLOGY

A study of the ecology of inland waters with emphasis on the chemical, physical and biological factors which influence productivity. Coverage also includes water use and pollution control, pollution evaluation techniques and regulatory information. Prerequisites & Notes: BI 3350. Credits: 3 cr.

BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS

Theory, practice, and demonstration of managing farm ponds for optimal sport fishing. Prerequisites & Notes: BI 3350. Credits: 3 cr. Dual Listed/Cross Listed: BI 5561.

BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS

Theory, practice, and demonstration of managing streams, rivers, natural lakes, and large impoundments for optimal sport fishing. Prerequisites & Notes: BI 3350. Credits: 3 cr. Dual Listed/Cross Listed: BI 5562.

BI 3354 - MARINE BIOLOGY

Studies basic to the biology and ecology of marine organisms. Practical applications such as biological/ecological sampling techniques and species identification are covered in the laboratory and on a coastal field trip. Prerequisites & Notes: BI 3350. Credits: 3 cr.

BI 3355 - PALEOBIOLOGY

Examines the origin and subsequent evolution of life over the past four billion years. The paleobiology and geologic history of major animal and plant groups are discussed. The course includes field trips to local and regional fossil sites. Prerequisites & Notes: BI 1110, BI 1130 and BI 3350. Credits: 3 cr. Dual Listed/Cross Listed: ANH 3335.

BI 3356 - ANIMAL BEHAVIOR

A study of the neuronal, hormonal, and evolutionary foundations of animal behavior in invertebrate and vertebrate taxa. Behaviors such as feeding, communication, mating, and caring for offspring are discussed. Emphasis is placed on the use of the scientific method to discover principles of animal behavior, the appropriate design of animal behavior experiments, and the analysis of data. Prerequisites & Notes: BI 1110. Credits: 3 cr.

BI 3357 - EPIDEMIOLOGY

The study of distribution and determinants of disease and injury in populations. Provides an introduction into community health and medical problems and services. Problem solving, case-control studies, and statistical analysis are emphasized. Prerequisites & Notes: BI 3350. Credits: 3 cr.

BI 3358 - PLANT-ANIMAL INTERAC

Students will investigate the complexities and subtleties of mutualistic, antagonistic, and commensalistic interactions between plants and animals. Topics discussed will include co-evolution, pollination biology, plant-herbivore interactions, seed dispersal and predation, ant-plant interactions, and carnivorous plants. Students will conduct empirical research in the laboratory and the field. Prerequisites & Notes: BI 3350. Credits: 4 cr.

BI 3370 - CELL BIOLOGY

A study of the cellular level of life with emphasis on cellular structures and their relationship to movement, function, and energy transformation. Cellular genetics and the cellular approach

to medicine are also discussed. Credits: 4 cr.

BI 3371 - MICROBIOLOGY

An introductory course with emphasis on the basic principles and concepts of microbiology concerning anatomy, classification, physiology, medical and practical uses of micro-organisms. The laboratory helps students develop aseptic technique. Prerequisites & Notes: BI 3370. Credits: 4 cr.

BI 3372 - GENETICS

A study of basic principles and concepts of classical and molecular genetics. Emphasis will be on linkage analysis, structural, biochemical and molecular genetics. Prerequisites & Notes: BI 3370. Credits: 3 cr.

BI 3374 - IMMUNOLOGY

The study of antigens and antibodies encompassing the fields of the immune response, autoimmunity, allergic reactions, tumor immunology, tissue graft and transplant biology. Prerequisites & Notes: BI 3370. Credits: 3 cr.

BI 3375 - DEVELOPMENTAL BIOLOGY

A comparative survey of the development of representative animals from several phyla with emphasis on gamete formation, fertilization, embryonic development, organogenesis, growth, and biological aging. The laboratory combines examples of live plant and animal development with prepared slides of frog and chick embryology. Prerequisites & Notes: BI 3370. Credits: 3 cr.

BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES

A systematic study of the microanatomy of the vertebrate body starting with cells and tissues and working through the complete organ systems. Prerequisites & Notes: BI 3370. Credits: 3 cr.

BI 3378 - TISSUE CULTURE

The study of eukaryotic cell culture and molecular techniques. Students will become competent in tissue culture methods used in research laboratories. Prerequisites & Notes: BI 3370 and BI 3371. Credits: 2 cr. Notes: One hour lecture, three hours lab per week.

BI 3381 - ENVIRONMENTAL MICROBIOLOGY

An introductory course in microbiology with emphasis on the basic principles and concepts of microbiology focusing on the diversity of microbes, their metabolism, and their role in the environment. The laboratory helps students develop culturing techniques and other commonly used microbiological techniques. Prerequisites & Notes: BI 3370. Credits: 4 cr.

BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN

Presents to science students a description of the processes of experimental design, selection of appropriate statistical tests to analyze experimental data, and performance of these tests using current software. Credits: 3 cr.

BI 3391 - EVOLUTION

A study of the basic theory, mechanisms, and pathways of natural selection. Also studies the development of evolutionary thought from antiquity to the current gradualist and punctuated equilibrium models. Both genetic and paleontological data are analyzed in examining micro and macroevolutionary scenarios. Credits: 3 cr. Dual Listed/Cross Listed: ANH 3390.

BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT

Fish Management is the provision for people of a sustained benefit from their use of living aquatic resources and involves the biological, ecological, economic and sociological components of a system that provides aesthetic and other non-tangible benefits to people as well as fish for consumption. The biology of fishes and fisheries in the broad context of its role as a part of a larger society is the subject of BI 3392. The course is designed to fulfill three credits of the human dimensions requirement for certification by The American Fisheries Society. Credits: 3 cr. GenEd Req: Professional Elective

BI 3394 - NATURAL AND CULTURAL HISTORY OF THAILAND

This three week field course will allow students to explore the natural and cultural history of Thailand. Major biological topics will include tropical biology, rainforest ecology, conservation biology, ethnobotany, and coral reef ecology. Major cultural topics will include Thai history and culture, hill tribe people, Buddhism, and the arts. Students are required to attend six introductory course orientation sessions at Mansfield University the semester prior to departure. Prerequisites & Notes: BI 1110, BI 1130 and permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness and Natural Sciences

BI 445I - PRACTICUM IN FISHERIES

The practicum in fisheries provides students the opportunity to apply knowledge and skills in the fisheries or aquatic biology sciences while working with a public or private agency involved in aspects of applied biology. The practical experience thus acquired both supplements and reinforces the more academic aspects of biology stressed in the classroom. Credits: 1- 4 cr.

BI 4470 - MOLECULAR BIOLOGY

An examination of the principles and techniques underlying the chemical and physical aspects of living systems. A study of the structure and activities of biological molecules which, properly integrated, constitute all forms of life. The laboratories will demonstrate techniques of the activities, separation and analysis of these molecule forms. Prerequisites & Notes: BI 3370. Credits: 3 cr.

BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I

An intensive capstone, two semester research course in a selected biological system with presentation of research results and discussion in a seminar format. Student research will be mentored and evaluated by the biology faculty. Prerequisites & Notes: Must be a second semester junior or a senior. Credits: 2 cr.

BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II

An intensive capstone, two semester research course in a selected biological system with presentation of research results and discussion in a seminar format. Student research will be mentored and evaluated by the biology faculty. Credits: 2 cr.

BI 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Prerequisites & Notes: BI 3290. Credits: 1 - 3 cr. Notes:

May be taken for 1, 2 or 3 credits at one time.

BSC 1101 - GENERAL BIOLOGY

An introduction to biological processes; study and discussion of these processes together with ecological aspects of life. The laboratory stresses demonstration and analysis of biological processes. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

BSC 1102 - CONTEMPORARY BIOLOGICAL PROBLEMS

There is no fixed syllabus. Topics are current and usually changed for each semester. Guest lecturers will be given time to present their specialties. Credits: 3 cr. GenEd Req: Natural Sciences

BSC 1103 - ENVIRONMENTAL BIOLOGY

General education course for non-science majors. It provides students with biological explanations of environmental issues such as pollution, acid rain, global warming, environmental toxicology, forestry, wildlife conservation, etc. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Natural Sciences

BSC 1104 - HUMAN BIOLOGY

An overview of the human organism. Emphasis involves organization, maintenance, movement and support, integration, reproduction, genetics, evolution, and ecology of humans. Credits: 4 cr. Dual Listed/Cross Listed: ANH 1102. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I

This course presents an integrated approach to the study of the anatomy and physiology of the various organ systems of the human body. Enrollment in Human Anatomy & Physiology I (BSC 1121) is restricted to majors in Nursing, Nutrition & Dietetics, Music Therapy, Respiratory Therapy and Radiology Technology or permission of instructor. Credits: 1 -4 cr. GenEd Req: Natural Sciences

BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II

A continuation of BSC 11 21. This completes an integrated approach to the study of the anatomy and physiology of the various organ systems of the human body. Enrollment in Human Anatomy & Physiology I (BSC 1122) is restricted to majors in Nursing, Nutrition & Dietetics, Music Therapy, Respiratory Therapy and Radiology Technology or permission of instructor. Credits: 4 cr. GenEd Req: Natural Sciences

BSC 2294 - NATURAL AND CULTURAL HISTORY OF THAILAND

This three week field course will allow students to explore the natural and cultural history of Thailand. Major biological topics will include tropical biology, rainforest ecology, conservation biology, ethnobotany, and coral reef ecology. Major cultural topics will include Thai history and culture, hill tribe people, Buddhism, and the arts. Students are required to attend six introductory course orientation sessions at Mansfield University the semester prior to departure. Prerequisites & Notes: Permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness and

Natural Sciences

BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES

An introductory course for health science students emphasizing the basic principles and concepts of microbial anatomy, classification, physiology, and their practical applications as well as developing aseptic techniques. Credits: 4 cr. Notes: Offered every spring. GenEd Req: Natural Sciences

BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT

Studies an overview of the broad concept of business functions. Provides a foundation for understanding the relationship between essential activities of business. Helps students to determine and pursue their areas of interest and aptitude. Credits: 3 cr. GenEd Req: Professional Elective

BUS 2202 - PERSONAL FINANCE

The focus of this course is to provide financial decision making tools and techniques of money management. The course will analyze handling of financial records, financing of home and automobiles, financing of education, estate and retirement planning. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Wellness

BUS 2249 - BUSINESS DATA ANALYSIS I

This course provides a practical application of fundamental statistical methods to Business problems. Topics covered include descriptive statistics, probability, discrete probability distributions, continuous probability distributions, sampling distributions, and interval estimation. Credits: 3 cr.

BUS 3260 - ENTREPRENEURSHIP

Introduces students to the REAL (Rural Entrepreneurship Through Action Learning) Program, which aids in the development of a business plan. The course stresses the necessary knowledge unique to running and managing a small firm. It focuses on the business planning process and the characteristics important in running a successful business. Credits: 3 cr. GenEd Req: Information Literacy

BUS 3302 - MANAGERIAL DECISION MAKING

Examines decision making as a multi-dimensional process. A variety of models and frameworks, quantitative and qualitative, are offered as a rational approach to managerial decisions. Prerequisites & Notes: BUS 2230 or MGT 2230. Credits: 3 cr.

BUS 3310 - MANAGING DIVERSITY

Presents in-depth information of changes in demographic composition, cultural profiles, values, and lifestyles. Provides students with necessary skills to effectively function in the global marketplace, manage employee differences, and improve productivity. Credits: 3 cr. GenEd Req: Global Awareness

BUS 3321 - ENVIRONMENT AND MANAGEMENT OF INTERNATIONAL BUSINESS

Provides a managerial view point of the dynamics of international business. Topics covered include history and scope of international business, international trade theory, foreign direct investment, governmental influences on trade and regional economic integration, and sociocultural and legal factors on

MNC's. Prerequisites & Notes: BUS/MGT 2230, ECO 1101 and ECO 1102. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

BUS 3349 - BUSINESS DATA ANALYSIS II

Provides a systematic application of modern quantitative tools and techniques in practical situations. Topics include hypothesis testing, probability distribution, simple and multiple regression, and time series analysis. Prerequisites & Notes: BUS 2249, Must pass with a grade of C- or better. Credits: 3 cr.

BUS 3350 - OPERATIONS MANAGEMENT

A study and use of analytical tools for demand forecasting, use of system design and measurement, inventory control and resource allocation. Specialized and analytical techniques are used to deal with practical situations. Prerequisites & Notes: MA 1125 and MA 1170 or MA 2231. Credits: 3 cr.

BUS 3390 - SUPPLY CHAIN MANAGEMENT

Topics include the relationships between profitability and customer service, customer satisfaction and productivity; management of incoming supplies and services; scheduling of workers, material, and jobs within a facility; storage and delivery of products and services to customers; managing service capacity and wait times, and finally discussions of internal and external customer service. The course is designed to examine a firm as a complete business, operating within an integrated network of external suppliers, internal suppliers, internal customers, and external customers. Prerequisites & Notes: 45 earned credits. Credits: 3

BUS 3450 - BUSINESS PRACTICUM

Supervised and evaluated participation in the regular activities of a business organization, government agency or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to document work experience and have positive performance evaluation from immediate supervisor. Prerequisites & Notes: 30 earned credits. Credits: 1-5 cr. Notes: The course may be taken for 1 - 5 credits. All practicum credits are considered free electives.

BUS 4410 - BUSINESS LAW I

Introduces the legal environment of business and its role in modern society. Topics include the formation of contracts, sales, negotiable instruments, bank deposits and collections, secured transactions, and business organization. Emphasizes social and ethical considerations, terminology, fundamental legal principles, and analysis. Prerequisites & Notes: 25 earned credits. Credits: 3 cr.

BUS 4441 - FINANCIAL STATEMENT ANALYSIS

Analyzes financial statements issued by public held organizations. Emphasis is on the use of financial statements by creditors, investors, and those who are external to the enterprises. Topics include cash flow analysis, standards of financial analysis, and off-balance sheet financing. Prerequisites & Notes: Prerequisite: ACC 1111, MA 1125. Credits: 3 cr.

BUS 4450 - BUSINESS INTERNSHIP

A link between the classroom and experience on the job, the internship provides qualified students a three way arrangement among the professor-advisor, the employer and the student-employee. Students may obtain appropriate internship

employment on their own or in conjunction with the internship advisor. Prerequisites & Notes: 60 earned credits. Credits: 6 – 15 cr. Notes: May be taken for 6 through 15 credits. All credits are considered free electives.

BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY

This capstone course integrates the concepts students have been learned in the various business functional areas. It includes environmental scanning, strategy formulation, strategy implementation and evaluation and control. The course deals with the critical managerial issues and decisions that determine the long-run performance of an organization. Prerequisites & Notes: ECO 1101, ACC 1111 and 75 earned credits.

Co-requisites: BUS 3330 and BUS 3349. Credits: 3 cr. GenEd Req: Information Literacy

BUS 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

CHM 1101 - INTRODUCTORY CHEMISTRY

A treatment of fundamental principles for non-science majors. Does not meet degree requirements for chemistry or biology majors. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

CHM 1102 - ORGANIC AND BIOCHEMISTRY

Deals with the principles of organic and biochemistry and their application to topics such as nutrition, consumer products, and the environment. In the laboratory students carry out various reactions, syntheses, analyses, and separations that exemplify the practice of organic and biochemistry. This course does not meet degree requirements for chemistry or biology majors. Prerequisites & Notes: CHM 1101 or permission of instructor. Credits: 4 cr. GenEd Req: Natural Sciences

CHM 1103 - CHEMISTRY AND THE ENVIRONMENT

Examines the theory and practice of chemistry and its relationship with the environment. The impact of modern day living on the environment will be examined. Topics treated will be integrated and historically developed. This course is intended for General Education science credit and does not meet degree requirements for the chemistry major. Credits: 3 cr. GenEd Req: Natural Sciences

CHM 1105 - HOW DRUGS WORK

This lecture course outlines the mechanisms by which drugs exert their effects on the body. It begins with a discussion of molecular structures of drugs and their targets in the body, and then reviews physiological aspects of various disease states and the ways different drug classes modify the relevant physiology. This course is intended for General Education science credit and does not meet degree requirements for the chemistry major. Credits: 3 cr. GenEd Req: Natural Sciences

CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY,

ORGANIC, AND BIOLOGICAL

A survey course for non-science majors. General, Organic, and Biological Chemistry are emphasized. DOES NOT meet degree requirements for chemistry and biology majors. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

CHM 1111 - GENERAL CHEMISTRY I

For science majors. A study of the fundamental principles of chemistry from the standpoint of stoichiometry, gases, states of matter, solution reactions, bonding, atomic and molecular structure. Laboratory sessions stress the chemical principles discussed in the lecture. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

CHM 1112 - GENERAL CHEMISTRY II

A continuation of CHM 1111: kinetics, thermodynamics, oxidation-reduction, acid-base theory and equilibrium are studied. Prerequisites & Notes: CHM 1111. Credits: 4 cr. GenEd Req: Natural Sciences

CHM 2201 - INTRODUCTION TO BIOCHEMISTRY

An introductory course in biochemistry with particular emphasis on human nutrition. Major topics are fuel management and the organization and control of metabolic pathways. The laboratory component includes separation, analysis, and properties of carbohydrates, lipids, amino acids, and enzymes. This course does not meet degree requirements for chemistry and biology majors. Prerequisites & Notes: CHM 1102. Credits: 4 cr.

CHM 3264 - CHEM MTDS FOREN SCI

An advanced treatment of the chemical methods used in the investigation of criminal activities. The use and reliability of chemical tests, solubilities, and reactions as well as the chemistry of chromatographic, spectroscopic and instrumental analysis will be included. Prerequisites & Notes: CHM 1110, SCI 1104 and SCI 1107. Corequisite course: CHM-3264L Credits: 3 cr.

CHM 3301 - ORGANIC CHEMISTRY I

Fundamentals of organic chemistry are presented. Modern theory, reaction mechanisms and stereochemistry are included along with nomenclature, preparation, reactions and properties of organic compounds. The laboratory stresses syntheses, chemical and physical properties and an introduction to instrumental techniques. The laboratory period includes one hour of lecture on theory and techniques of laboratory operations. Prerequisites & Notes: CHM 1112. Credits: 4 cr.

CHM 3302 - ORGANIC CHEMISTRY II

A continuation of CHM 3301. The laboratory period includes one hour of lecture on theory and techniques of laboratory operations. Prerequisites & Notes: CHM 3301. Credits: 4 cr.

CHM 3311 - QUANTITATIVE ANALYSIS

An introductory course in analytical chemistry emphasizing classical titrimetric and gravimetric methods and related theories. Prerequisites & Notes: CHM 1112. Credits: 4 cr.

CHM 3321 - PHYSICAL CHEMISTRY I

An introduction to the methods and topics of physical chemistry. Topics include introduction to thermodynamics, equilibria,

kinetics, atomic structure, and molecular spectroscopy. Prerequisites & Notes: CHM 1112, CHM 3302, MA 2231, PHY 2210 and PHY 2211. Credits: 4 cr.

CHM 3322 - PHYSICAL CHEMISTRY II

A continuation of CHM 3321. Advanced study of the methods and topics covered in physical chemistry I. MA 2233 is required. Prerequisites & Notes: CHM 3321 and MA 2232. Credits: 4 cr.

CHM 3332 - INSTRUMENTAL ANALYSIS

Deals with the principles and applications of instrumental methods in chemical analysis. Studies include electroanalytical, spectrophotometric, and chromatographic techniques. Prerequisites & Notes: CHM 3311. Credits: 4 cr.

CHM 3341 - BIOCHEMISTRY

A study of carbohydrates, lipids, proteins, enzymes, nucleic acids, vitamins, and hormones in terms of structure, function, and synthesis in living systems. The laboratory includes the isolation, identification, and chemical behavior of biochemically important molecules. Prerequisites & Notes: CHM 3302 or permission of instructor. Credits: 4 cr.

CHM 4410 - SEMINAR

Deals with reports emphasizing chemical literature searches and/or current research. Prerequisites & Notes: Upper division chemistry major. Credits: 1 cr. GenEd Req: Information Literacy

CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY

The identification of organic compounds by various classical and instrumental techniques. Prerequisites & Notes: CHM 3302. Credits: 3 cr.

CHM 4421 - ADVANCED ORGANIC CHEMISTRY

An advanced lecture course designed to deepen and expand knowledge in the field. Topics such as reactions, mechanisms, reactive intermediates, photochemistry, kinetics, stereochemistry, natural products, and spectroscopy may be stressed. Prerequisites & Notes: CHM 3302 and CHM 3321. Credits: 3 cr.

CHM 4431 - ADVANCED INORGANIC CHEMISTRY

A presentation of atomic structure and periodic properties. In addition to other topics; valence bond, molecular orbital, crystal and ligand field theories are treated. Laboratory sessions include one hour of lecture on theory and techniques in the preparation of representative compounds. Prerequisites & Notes: CHM 1112 and CHM 3321. Credits: 4 cr.

CHM 4432 - STRUCTURAL CHEMISTRY

The symmetry and structural properties of molecular systems are utilized to determine their energy levels. The electronic and vibrational spectroscopic properties of these systems will be predicted also utilizing symmetry properties. These spectra-structure correlations will be made on organic and inorganic systems. Prerequisites & Notes: CHM 3302 and CHM 3321. Credits: 3 cr.

CHM 4490 - PROBLEMS IN CHEMISTRY

Involves the student in study projects under the direct supervision of an instructor. Library and laboratory research in selected problems. Prerequisites & Notes: Permission of instructor. Credits: 1 - 3 cr. Notes: May be taken for one through three credits.

CHM 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

CHN 1101 - INTRODUCTORY CHINESE I

For students with little or no prior experience in Chinese (Mandarin) language. Skills are taught within a cultural context and include pronunciation, speaking, and listening comprehension skills, as well as an introduction to the Chinese writing system. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

CHN 1102 - INTRODUCTORY CHINESE II

A continuation of CHN-1101, Introductory Chinese I. Skills are taught within a cultural context and include pronunciation, speaking, and listening comprehension skills, as well as an introduction to the Chinese writing system. Prerequisites & Notes: CHN 1101. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

CIS 1000 - ORIENTATION TO CIS

Required for all CIS majors. Introduces students to the structure and organization of the computing field. Also covers topics such as professional, ethical, legal, security, and social responsibilities. Credits: 1 cr.

CIS 1102 - VISUAL BASIC PROGRAMMING

Introduces problem solving through the use of the programming language, Visual Basic. Enables students to write programs, which they can use for Windows development, scientific computing, spreadsheet design, and database work. Credits: 3 cr.

CIS 1103 - INTRODUCTION TO MICROCOMPUTERS

Introduces an operating System for microcomputers and the use of word processing, spreadsheet, and presentation software. Credits: 3 cr. GenEd Req: Information Literacy, Professional Elective

CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE

This course gives the student a general introduction to the foundations and principles of computer science. Elements of software development and object-oriented programming are introduced. Students will learn basic, fundamental programming constructs using a real-world programming language. Topics may include handling computer input and output, user interfaces, 2D and 3D graphics, animation, sound, games, and multimedia. Credits: 3

CIS 1115 - PROGRAMMING WITH OBJECTS

Introduction to computer-based problem solving and programming using a high-level language. Topics include problem solving methodologies, program design, algorithm development, and testing. Language concepts include variables, data types and expressions, assignment, control-flow statements, arrays, sorting, functions, and classes and objects. Prerequisites & Notes: Co-requisites: CIS 1115L. Credits: 4 cr.

CIS 1115L - PROGRAMMING WITH OBJECTS LAB

Guided programming exercises in support of concepts taught in CIS 1115. Prerequisites & Notes: Co-requisites: CIS 1115. Credits: 0 cr.

CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS

Advanced applications of spreadsheets, data base management systems, and graphics. Credits: 3 cr.

CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I

An introduction to analyzing and designing solutions to business-related problems using a business programming language. Prerequisites & Notes: CIS 3315. Credits: 3 cr.

CIS 3300 - PROGRAMMING LANGUAGES

Comparative study of current programming languages. Examines the structure of languages and their use in problem solving. Prerequisites & Notes: CIS 3315 and CIS 3330. Credits: 3 cr.

CIS 3303 - WEB SITE DESIGN

An introduction to the principles of Web Site Design. The syntax and semantics of HTML is covered. Multimedia elements will also be introduced. Credits: 3 cr. GenEd Req: Information Literacy

CIS 3304 - ADVANCED WEB DESIGN

This course introduces modern techniques in advanced web design. Topics include advanced CSS and XHTML, JavaScript, AJAX, DOM, advanced graphic elements for web design, and using forms to acquire input. Other advanced topics may be discussed, including Rich Internet Applications and server-side development. Prerequisites & Notes: Take CIS-3303; and CIS-1115 or CIS-1102 or CIS-1109 Credits: 3 GenEd Req: Information Literacy

CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II

A second course in business programming stressing data processing and advanced programming techniques. Prerequisites & Notes: Prerequisite: CIS 2206 Credits: 3 cr.

CIS 3308 - OPERATIONS RESEARCH

The development and use of the techniques of operations research. Topics include linear programming, queuing theory, probabilistic inventory models and simulation. Prerequisites & Notes: Take CIS 2203 or 3315; MA 1125 or 3314; MA 1129, 3260 or 3280; MA 11 70 or 2231. Credits: 3 cr.

CIS 3309 - MANAGEMENT INFORMATION SYSTEMS

This is an introductory course to computer-based information systems (CBIS) with emphasis on information processing systems as a tool for management of organizations. This course requires that students learn to use software and hardware to facilitate managerial decision-making, planning, and control. Prerequisites & Notes: CIS 1115 or CIS 2203. Credits: 3 cr. GenEd Req: Information Literacy

CIS 3310 - SYSTEMS ANALYSIS

An introduction to the concepts of systems analysis and design. Problem definition; data gathering, information analysis, presentation techniques, implementation planning, system controls, documentation. Prerequisites & Notes: BUS 1130 or BUS/MGT 2230, and CIS 2203 or CIS 2206. Credits: 3 cr. GenEd Req: Information Literacy

CIS 3311 - SOFTWARE ENGINEERING

This is an introductory course which covers the application of engineering principles to the building of computer software. It provides a general overview to the field of Software Engineering. Topics may include theories, tools, and methods for the systematic representation, design, implementation, verification, validation, management, and maintenance of computer software systems. Prerequisites & Notes: CIS 3315. Credits: 3 cr.

CIS 3315 - DATA STRUCTURES

Introduces fundamental data structures such as arrays, linked lists, stacks, queues, trees, and graphs. Other more advanced topics may include recursion, sorting and hashing. Prerequisites & Notes: CIS 1115.

Co-Requisites: CIS 3315L. Credits: 4 cr.

CIS 3315L - DATA STRUCTURES LAB

Guided programming exercises in support of concepts taught in CIS 3315. Prerequisites & Notes: CIS 1115. Co-Requisites: CIS 3315. Credits: 0 cr.

CIS 3320 - COMPUTER ARCHITECTURE

Classification of computers. Defining hardware and software interfaces within a computer system. Special purpose architectures. Prerequisites & Notes: CIS 3330. Credits: 3 cr.

CIS 3325 - OPERATING SYSTEMS

Functions and characteristics of an operating system: concurrent processes, system nucleus, memory management, input and output, filing system, resource allocation and scheduling, system protection and reliability, and job control. Prerequisites & Notes: CIS 3315 and CIS 3330. Credits: 3 cr.

CIS 3330 - COMPUTER ORGANIZATION

Overview of computer hardware, computer structure, machine representation of information, instruction codes, addressing, concepts of digital logic, microprogramming and assembly language programming. Prerequisites & Notes: CIS 1115. Credits: 3 cr.

CIS 3340 - DATABASE SYSTEMS

First course in the theory and use of database management systems. Provides experience in the creation of an actual database system and the manipulation of the data in it. Prerequisites & Notes: CIS 2206. Credits: 3 cr.

CIS 3350 - ANALYSIS OF ALGORITHMS

An introduction to the study of the theory and design of algorithms. Topics may include analysis of Abstract Data Types (ADTs), NP-Completeness, study of various graph algorithms, searching and sorting algorithms, and a look at algorithm design techniques such as greedy algorithms, divide and conquer, dynamic programming, and branch-and-bound. Prerequisites & Notes: CIS 3315. Credits: 3 cr.

CIS 3390 - NETWORKING I

Introduction to the underlying principles of networking. Concepts of network protocols and network applications are covered. TCP/IP principles will be taught. Prerequisites & Notes: CIS 3315. Credits: 3 cr.

CIS 3397 - CIS PRACTICUM

The CIS practicum gives students the opportunity to apply knowledge and skills in computer and Information Science while working with a private or public agency. This practical experience augments the skills learned in the classroom. Permission of advisor required. Prerequisites & Notes: 60 earned credits and permission of advisor. Credits: 1 - 5 cr.

CIS 4309 - E-COMMERCE SYSTEMS

This course provides tools, skills, and an understanding of technology, business concepts and issues that surround the emergence of electronic commerce. The student develops an understanding of the current practices and opportunities in electronic publishing, electronic shopping, electronic distribution, and electronic collaboration. The student also explores several of the problem areas in electronic commerce. Prerequisites & Notes: CIS 3303 or CIS 3309 or CIS 3340. Credits: 3 cr. GenEd Req: Global Awareness

CIS 4400 - CIS SENIOR SEMINAR

Capstone course giving students an opportunity to explore current research and areas of interest in computing and information systems. Topics may vary. Credits: 1 cr.

CIS 4410 - MIS SEMINAR

A seminar on current topics in computer-based information systems (CBIS), which examines state-of-the-art issues associated with the design, development, implementation, control and management of computer-based information systems. Prerequisites & Notes: CIS 3309 or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy, Global Awareness

CIS 4420 - SPECIAL PROBLEMS IN COMPUTER APPLICATIONS

Study of a specialized topic. Possible topics include Computer Aided Design, Data Base Systems, Telecommunications, Advanced Business Programming. Credits: 1 - 3 cr.

CIS 4440 - ARTIFICIAL INTELLIGENCE

The application of computers to solve problems and to understand the principles of human intelligence including search, reasoning, and problem reduction. Applications to games, expert systems, natural language, learning, robotics, and computer vision. Prerequisites & Notes: CIS 3315. Credits: 3 cr.

CIS 4450 - ORGANIZATIONAL INTERNSHIP

Supervised and evaluated participation in the regular activities of a business, government, agency, or appropriate organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the field experience. Credits: 6 - 12 cr. Notes: May be taken for 1 through 12 credits. No more than 6 credits count toward the major.

CIS 4490 - NETWORKING II

Second course in data and computer communications. Communication principles, computer requirements, networking, standards, and future trends and issues will be examined. Prerequisites & Notes: CIS 3390 and CIS 3330. Credits: 3 cr.

CIS 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE

An introduction to the field of criminal justice, its major components, roles and functions. Emphasis is placed upon concepts of law and the historical descriptive analysis of the police, courts, and corrections. Credits: 3 cr. GenEd Req: Information Literacy, Professional Elective

CJA 2200 - SURVEY OF POLICING

Introduction to law enforcement problems and practices; its legal, political, and historical framework. An analysis of police organizations and their relationship with other criminal justice and social agencies. Credits: 3 cr.

CJA 2201 - SURVEY OF CORRECTIONS

Origin and history of incarceration practices and procedures; associated organizational, criminological and phenological concepts; categories of inmates and laws affecting classification; special custody problems and treatment programs, staff organization; professional, administrative and custodial personnel training, recruitment and promotions; interagency relationships and cooperation; release programs, furloughs, work-release, and final discharge. Credits: 3 cr.

CJA 3262 - INVESTIGATION AND INTERROGATION

An introduction to the fundamentals of criminal investigation, rules of evidence, sources of information, observations, descriptions, and identification, including collection, preservation, and processing of physical evidence, records, reports, statements, case preparation, surveillance and undercover techniques, and modus operandi information. Credits: 3 cr.

CJA 3276 - CRIMINOLOGY

Examines the theories of crime causation, including the early schools of criminology, social structure theories, critical theories, psychosocial theories, and biosocial theories. Prerequisites & Notes: CJA 1100, CJA 2200 and CJA 2201. Credits: 3 cr.

CJA 3301 - INDUSTRIAL SECURITY

Examines basic industrial security concepts, principles, and methodologies. Provides knowledge of procedures and programs currently applied in industrial security management. Credits: 3 cr.

CJA 3324 - JUDICIAL CRIMINAL PROCESS

An examination of the role and function of the judiciary in the criminal justice decision-making process. It includes a survey of America's court system and an in-depth analysis of its major components. Emphasis will also be placed on important interactions within the judicial system and its major interrelationships with other criminal justice agencies. Credits: 3 cr.

CJA 3354 - CRIMINAL LAW

This course is designed to give students an understanding of the origins and purposes of criminal law, the constitutional limitations on criminal law, and the general principles of criminal liability and defenses to criminal liability. The definitions and various elements of crimes of most frequent concern will also be examined. Credits: 3 cr.

CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE

The theme of this course is centered on balancing the values which are central to our constitutional democracy; community security and individual liberty. The Constitutional basis for the law of criminal procedure will be explored by reading and discussing Supreme Court decisions regarding Due Process, Equal Protection, arrest, search and seizure. Prerequisites & Notes: CJA 1100, CJA 2200 and CJA 2201. Credits: 3 cr.

CJA 3357 - CORRECTIONAL STRATEGIES

Offender classification; special offender groups, treatment, custody, recidivism, and strategies designed to change offender conduct. Credits: 3 cr. GenEd Req: Information Literacy

CJA 3395 - DELINQUENCY AND THE JUVENILE JUSTICE SYSTEM

An examination of the delinquency problem and its causes, potential prevention strategies, and rehabilitation programs. The course will also examine the legal rights of the juvenile offender and the evolution of those rights from a constitutional perspective. Prerequisites & Notes: CJA 1100, CJA 2200 and CJA 2201. Credits: 3 cr. GenEd Req: Information Literacy

CJA 4401 - ADVANCED INDUSTRIAL SECURITY

An advanced course focusing on industrial and government security concepts, principles, and methodologies. Knowledge of relationships of industrial security procedures in business organizations to the Department of Defense National Security Program will be examined. Prerequisites & Notes: CJA 3301. Credits: 3 cr.

CJA 4450 - INTERNSHIP

An opportunity for upper division students to synthesize academic coursework within a professional criminal justice environment in their chosen area of concentration. The goal of the internship is to offer the student an opportunity to explore a particular field of interest and determine if there is enough interest to pursue it after graduation. Prerequisites & Notes: CJA 1100, CJA 2200, CJA 2201; at least 15 total credits in CJ; at least junior standing or 90 credits and approval of department faculty. Credits: 6 - 12 cr. Notes: May be taken for 6 through 12 credits.

CJA 4453 - POLICE ORGANIZATION AND ADMINISTRATION

Organizational theory, budgeting, personnel management planning, information management theory, civil service, unions, management prerogatives, supervision, executive development, manpower distribution schemes, and policy development and execution as applied in both small and large law enforcement agencies. Prerequisites & Notes: CJA 1100 and CJA 2200. Credits: 3 cr.

CJA 4475 - SERIAL MURDER

A broad overview of serial, spree and mass murder in the U.S. during the 20th century. Examines the myths and social construction of serial murder, FBI involvement, crime scene analysis, the organized and disorganized offender, and crime scene, history of serial murder in the U.S., construction of profiling, and behavior typology, and also examines offender typology (gender, race and team serial killers). Credits: 3 cr. GenEd Req: Information Literacy

CJA 4490 - SENIOR SEMINAR

This is a capstone course designed to: 1) help seniors integrate the knowledge gained from their other criminal justice courses; 2) assist them in developing analytical thinking skills through focusing on several selected topics; and 3) to instill confidence that they have acquired a core body of knowledge that will assist them when they enter a criminal justice agency or graduate school. Credits: 3 cr. GenEd Req: Information Literacy

CJA 4496 - SELECTED TOPICS

A thorough investigation of a selected topic, particular problem or case study in criminal justice. Credits: 3 cr.

CJA 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

COM 1101 - ORAL COMMUNICATION

Objectives are to help the student to formulate his/her own ideas coherently, evaluate factual material, and use sound reasoning patterns in his/her preparation and attempts to communicate concepts orally; to determine and select the most effective means of expression in formal and informal speaking situations. Required of all Mansfield students. Credits: 3 cr. GenEd Req: Foundations of Knowledge – Oral Communication, General Education Core, Information Literacy

COM 1102 - EFFECTIVE PUBLIC SPEAKING

COM 1102 Introduces students to the principles of effective communication, with a specific focus on public speaking. Course topic includes audience analysis, organizational structure, the use of supplementary visual and auditory aids, components of different types of speeches, and delivery elements. Students will develop public speaking skills through in-class activities, collaborative learning, peer critiques, and analysis of public speeches and other messages. Credits: 3 cr. GenEd Req: Foundations of Knowledge – Oral Communication

COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

COM 1103 introduces students to principles of effective communication with a specific focus on speaking formally and informally in groups. Course topics include the basics of communication, developing effective speaking skills in a group context, group dynamics, teamwork, and problem-solving. Students will participate in various types of group presentations and engage in analytical message critique. This course enables

students to work more effectively in groups, develop teams, lead, and make effective group and individual presentations. Credits: 3 cr. GenEd Req: Foundations of Knowledge – Oral Communication

COM 2201 - INTRODUCTION TO MASS MEDIA

Studies the application of modern mass media, its origin, history, theory, principles, and philosophy to the areas of entertainment, instruction, and audience persuasion. Practical experience in the basic media is provided. Credits: 3 cr.

COM 2203 - VOICE AND ARTICULATION

A study of basic physiology and phonetic analysis. It begins with transcription and evaluation of the student's speech. Subsequent attention is given to the correction of individual faults in voice and articulation habits in order to achieve clear and effective communication. Prerequisites & Notes: COM 1101 or permission of instructor. Credits: 3 cr.

COM 2205 - INTERPRETING COMMUNICATION RESEARCH

This course examines communication research techniques, interpreting research results, and how to write about communication research. Forms of mass media research techniques including the use of surveys will be discussed. Techniques used in human communication research will also be reviewed. Prerequisites & Notes: Prerequisites: COM 1101 or permission of the instructor. Credits: 3 cr. GenEd Req: Information Literacy

COM 2210 - INTRODUCTION TO PUBLIC RELATIONS

Study of the history, principles, and practice of public relations in business, education, government, and other organizations. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences

COM 2211 - PRINCIPLES OF ADVERTISING

This course will offer a broad overview of advertising background issues and functions. The course will explore the historical, social, cultural, legal, and economic influences on advertising. The course will also cover the basic principles and practices of the advertising industry. Students will be introduced to the creative/media strategy decision processes. Prerequisites & Notes: 24 earned credits. Credits: 3 cr.

COM 2220 - AMERICAN BROADCASTING HISTORY

An introduction to the American broadcasting system which examines the history of the medium and relates it to current issues in electronic media. The course utilizes historical programming examples, examines broadcast and cable technology, and develops student awareness of the importance of electronic media in our society. Prerequisites & Notes: 24 earned credits. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities

COM 2230 - WRITING FOR BROADCASTING MEDIA

A basic course in the writing techniques used in American radio and television. The course focuses on the development of original ideas for a range of commercial and promotional needs, including an original television series. Prerequisites & Notes: COM 2201. Credits: 3 cr.

COM 3270 - AUDIO PRODUCTION

An introductory course in the theory and operation of audio equipment and the creation of various audio presentations. Students write, produce, and perform in a series of individual and group projects. Credits: 3 cr.

COM 3301 - TELEVISION PRODUCTION I

Introductory study of the theoretical and practical aspects of television production. Topics include studio cameras, scripting, storyboarding, interviewing, lighting and sound. Students will work in groups on assignments and projects for further exposure with the equipment. Active participation in Mountaineer News will be required. Prerequisites & Notes: COM 2201 or permission of instructor. Credits: 3 cr.

COM 3303 - TELEVISION AND RADIO ANNOUNCING

In-depth training in effective communication skills employed by broadcasters. Prerequisites & Notes: COM 2201. Credits: 3 cr.

COM 3304 - TELEVISION PRODUCTION II

Advanced study of the theoretical and practical aspects of television production. Students will be exposed to video field cameras, directing and producing elements to an individual or group project by semester's end. Active participation in Mountaineer News will be required. Prerequisites & Notes: COM 2201 and COM 3301. Credits: 3 cr.

COM 3306 - NONVERBAL COMMUNICATION

This course covers the importance of nonverbal messages in communication. Attention is given to facial expression, body movement and posture, symbols and other forms of nonverbal expression. Students taking this course will (1) better understand the nonverbal communication they project, (2) learn how to interpret the nonverbals of others around them, (3) recognize the intercultural differences in nonverbal communication, (4) be better able to communicate nonverbally in today's global society, and (5) be able to understand the implications of communicating without nonverbals when using specific communication channels such as email. Prerequisites & Notes: COM 1101. Credits: 3 cr.

COM 3307 - POST-PRODUCTION EDITING

This course emphasizes post-production editing skills using advanced techniques taught with the Avid and Pro Tools software. Students will work under professional production teams in the areas of production development, advanced writing production and digital post-production. Students will be expected to complete a semester-long project utilizing the skills taught throughout the semester. Active participation in Mountaineer News will be required. Prerequisites & Notes: COM 2201, COM 3301, COM 3304 or permission of instructor. Credits: 3 cr.

COM 3309 - SPECIAL TOPICS IN MASS MEDIA

This changing topic course will introduce students to various aspects of Mass Communication study of interest to the profession. Prerequisites & Notes: 45 earned credits. Credits: 3 cr.

COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT

This course presents current practices, problems and issues of electronic media sales and management. Lectures, readings and class presentations provide an introduction to the business aspects of electronic media. Prerequisites & Notes: COM 2201 and 45 earned credits. Credits: 3 cr.

COM 3311 - ELECTRONIC MEDIA PROGRAMMING

A comprehensive examination of the programming strategies employed in the electronic media industries with an emphasis on radio and television. Special emphasis is placed on program acquisition, scheduling, financing, and the role of first-run and off-network television syndication in addition to satellite cable systems and new electronic media outlets. Lectures, readings and class discussion provide an introduction to the programming aspects of electronic media. Prerequisites & Notes: COM 2201 and COM 2220. Credits: 3 cr.

COM 3320 - PUBLIC RELATIONS WRITING TECHNIQUES

An advanced level investigation of the theory and practice of public relations. Special emphasis is placed on public relations writing for clients, media, and other audiences. Prerequisites & Notes: COM 2210 and JN 1100. Credits: 3 cr.

COM 3322 - CASE STUDIES IN PUBLIC RELATIONS

This course provides advanced study of public relations through the examination of public relations cases. Students will be exposed to issues, challenges, and opportunities within public relations practice and further develop their skills in these areas. Prerequisites & Notes: COM-2210 and COM-3320. Credits: 3 cr.

COM 3325 - INTERPERSONAL COMMUNICATION

Interpersonal Communication explores the dynamics of communication transactions between individuals who share some type of relationship. This course examines both global and cultural issues. Specific topics include but are not limited to the following: fundamentals, perception, the self concept, language, attitudes, belief systems, power, ethics, conflict, culture and relationships. This course focuses on both a conceptual comprehension and a practical application in understanding one's communication experience. Credits: 3 cr. GenEd Req: Global Awareness

COM 3330 - EFFECTIVE MEETING MANAGEMENT

Examines history, philosophy, and practice of parliamentary procedure as it applies to our democratic society. Emphasis is on the development of procedures and includes practice in the use of the theories. Credits: 3 cr.

COM 3331 - MEDIA ETHICS

Media ethics focuses on conduct of the mass media practitioner and the impact of ethical decision-making on the mass media industry and on society in general. Students will analyze case studies in light of ethical perspectives utilizing a model of moral reasoning. Contemporary problems and issues in media ethics will be discussed as well as current ethical and moral dilemmas and issues. This course will specifically explore ethical decision-making in areas of invasion of privacy, truth telling, conflicts of interest, reporters and sources, social responsibility, offensive and violent content, media content and juveniles, stereotyping, new technology, and censorship. Prerequisites & Notes: COM 1101 and 45 earned credits. Credits: 3 cr.

COM 3332 - CROSS CULTURAL COMMUNICATION

This course explores theory and practice related to communicating across cultures. Attention is given to verbal and nonverbal communication in varying cross-cultural contexts including dyadic, small group, and public communication situations with

examination of dominant cultures and co-cultures. Students should develop an appreciation of global differences among global cultures as well as a practical understanding of how to communicate effectively with people who are different from themselves. Prerequisites & Notes: COM 1101. Credits: 3 cr. Dual Listed/Cross Listed: ANH 3332. GenEd Req: Global Awareness

COM 3334 - GENDER AND COMMUNICATION

This course is designed to introduce students to the concepts of gender and how those concepts relate to communication. The course introduces students to important gender communication concepts such as gendered verbal and non-verbal communications, the social shaping of gender, gendered power and violence, sexual harassment, and gendered communication in educational, organizational, media, and relationship settings. Credits: 3 cr.

COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION

Focuses on a step-by-step approach to professional communication in the business environment highlighting the employment interview. Topics include an introduction to interviewing, researching an organization, adapting to organizational change, constructing resumes and writing business correspondence, examining the roles of interviewee and interviewer, business etiquette, performance appraisals and company reprimands as well as exploring career planning. Serves as a "bridge" between the student's conceptual comprehension and application in course work to the environment of the professional working world the students are about to enter. Prerequisites & Notes: COM 1101, ENG 1112, or BUS 1130 and 60 earned credits. Credits: 3 cr.

COM 3360 - ORGANIZATIONAL COMMUNICATION

Examines the process of communication within organizations. Investigates formal and informal communication networks to gain a greater understanding of the vital role that they play within organizational structures and operations. Prerequisites & Notes: COM 1101. Credits: 3 cr.

COM 4400 - COMMUNICATION THEORY

Study of the major concepts, principles, models, and theories of human communication including, General Systems Theory, General Semantics, role behavior, the diffusion of innovation, the role of language in communication, linguistics, and the psychology of communication. These provide a framework for an investigation of the process of communication on the intra personal, interpersonal, small group, one-to-many, and mass media levels. Credits: 3 cr. GenEd Req: Information Literacy

COM 4401 - PERSUASION

A study of the psychology of persuasion and its use in a free society, and propaganda and its effect on our daily living. Prepares the student to evaluate persuasive messages, to use persuasion effectively, and to appreciate the ethics of persuasion. Credits: 3 cr.

COM 4403 - SPEECH WRITING

Practical experience in the techniques of speech writing for speakers and public relations practitioners. Emphasis is placed on actual speech writing situations. Credits: 3 cr.

COM 4410 - INTERNSHIP

Supervised and evaluated participation in varied settings provides practical application of theoretical principles. Credits: 6 - 12 cr. Notes: May be taken for 6 through 12 credits.

COM 4415 - CONTEMPORARY AMERICAN HUMOR

A critical study of contemporary humor employing a variety of communication theories of analysis and criticism. Areas such as television, film, writing, and stand-up will be examined. Prerequisites & Notes: COM 1101. Credits: 3 cr.

COM 4420 - PUBLIC RELATIONS WORKSHOP

Practical study of public relations. Each student is involved in planning and directing a campaign proposal for a non-profit organization and implementing at least one special event. Prerequisites & Notes: COM 2210, JN 1100, COM 3320, or permission of instructor. Credits: 3 cr.

COM 4425 - PUBLIC COMMUNICATION

Advanced study of the construction, preparation and delivery of public performance. Designed to familiarize the student with the research, audience analysis and rhetorical criticism skills necessary for the presentation and evaluation of professional speeches. Prerequisites & Notes: COM 1101 or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

COM 4435 - GLOBAL MEDIA

Designed to familiarize students with global media systems and issues. Lectures, research projects, and classroom presentation of global media examples are used to broaden perspectives and international understanding. Prerequisites & Notes: COM 2201 and 45 earned credits. Credits: 3 cr.

COM 4440 - COMMUNICATION LAW

Provides a background in communication law as it affects the conduct of the print and electronic media industries. Will study landmark cases and investigate legal industry, and ethical issues which confront communication professionals. Prerequisites & Notes: COM 2201. Credits: 3 cr. GenEd Req: Information Literacy

COM 4450 - SPECIAL PROJECTS

A project initiated by the student to increase his/her knowledge in an advanced area not offered as a regular class. Intensive study of a subject area under the guidance of a faculty member who has special expertise in that subject. Prerequisites & Notes: Permission of instructor. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits, but not to exceed 9 credits total.

COM 4485 - SMALL GROUP COMMUNICATION

Learning how to work effectively in groups. The dynamics of cooperative communication situations and skills associated with interpersonal relations and group goal achievement. Emphasis on presentational speaking, agenda management, problem solving, decision making, conflict and cohesion, project management, leadership, participation theory, listening, verbal and nonverbal choices, planning and conducting meetings. Credits: 3 cr.

COM 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with

guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

DIT 1101 - PERSONAL NUTRITION

Examines how good nutrition improves health and risk factors for nutrition related diseases. This is an excellent course for people who wish to improve their eating habits. This course DOES NOT fulfill requirements for the Nursing program. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Wellness

DIT 2211 - INTRODUCTION TO NUTRITION

Introduces the science of nutrition, the nutrient needs of the body, and the foods that meet these needs. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Information Literacy, Wellness

DIT 2220 - NUTRITION AND EXERCISE

An in-depth look into nutrition and exercise and how they work together to prevent chronic disease. Credits: 3 cr. GenEd Req: Wellness

DIT 3300 - CULTURAL NUTRITION AND FOOD

A study of the nutrient needs and food habits of individuals from various countries and ethnic backgrounds. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Information Literacy, Wellness

DIT 3305 - PRINCIPLES OF FOOD SCIENCE

Applies physical and chemical principles as related to the selection, preparation, and storage of food. Credits: 3 cr.

DIT 3314 - NUTRITION THROUGHOUT THE LIFE CYCLE

Nutritional requirements and assessment of humans from conception to old age, including the study of nutrition as it relates to health and disease common to each phase of the life cycle. The impact of societal and environmental factors on nutrient intake will be examined. Prerequisites & Notes: DIT 2211 or permission of instructor. Credits: 3 cr.

DIT 3315 - FOOD SERVICE ORGANIZATION AND MANAGEMENT

Management functions in the food service industry. Methods, procedures, and techniques in dealing with personnel. Prerequisites & Notes: DIT 3305 and DIT 3306 or permission of instructor. Credits: 3 cr.

DIT 3316 - COMMUNITY NUTRITION

Addresses issues of nutrition services in the community including needs, assessment, implementation, and program evaluation. Provides opportunity for student to become familiar with WIC, school lunch, congregated meals, cooperative extension, etc. Prerequisites & Notes: DIT 2211 or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

DIT 3325 - NUTRITION COUNSELING AND EDUCATION

Counseling theory and techniques, interviewing techniques, and group communication will be discussed. The student will have the opportunity to practice counseling individuals on nutrition. Health promotion and disease prevention will be highlighted

throughout this course. Prerequisites & Notes: DIT 2211, DIT 3314, DIT 3316 and PSY 1101. Credits: 3 cr.

DIT 3330 - SPORTS NUTRITION

Scientific basis for sports nutrition. Basic nutrition concepts, energy expenditure during various types of exercise, diet during training, meal recommendations, use of supplements and ergogenic aids, special recommendations for groups of athletes. An excellent course for athletes, coaches, and active people. Prerequisites & Notes: DIT 2211. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives, Western and Non-Western Global Cultures (Option2)

DIT 4401 - MEDICAL NUTRITION THERAPY I

The basic methods of dietary modification, including food exchange systems, nutrition assessment of patients, charting techniques, standards of professional practice; medical nutrition therapy for patients with injury, surgery, recovery, obesity and eating disorders, diabetes, and allergies. Prerequisites & Notes: DIT 2211, DIT 3305, CHM 1101, CHM 1102 or permission of instructor. Credits: 3 cr.

DIT 4402 - MEDICAL NUTRITION THERAPY II

Medical nutrition therapy including the following conditions: nutrition support, digestive tract diseases, anemia, heart disease, pulmonary disease, renal disease, neoplastic disease, HIV positive and AIDS, nervous system diseases, and metabolic disorders. Prerequisites & Notes: DIT 2211, DIT 3305, DIT 4401, CHM 1101, CHM 1102 or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

DIT 4411 - QUANTITY FOOD PRODUCTION

Quantity food production, menu planning, purchasing, receiving, and sanitation and safety techniques in food service. Laboratory experience in quantity food production. Prerequisites & Notes: DIT 3305 and DIT 3306 or permission of instructor. Credits: 4 cr.

DIT 4417 - ADVANCED NUTRITION

Chemistry of nutrients, metabolism, and normal nutritional requirements throughout the human life cycle. Prerequisites & Notes: Eight credits in Chemistry, three credits in foods and DIT 2211. Credits: 3 cr.

DIT 4420 - NUTRITION RESEARCH SEMINAR

Contemporary issues in nutrition and dietetics will be discussed. The student will learn research methodology and how to interpret current research in the field. Prerequisites & Notes: 75 earned credits with 12 credit hours in nutrition and dietetics or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

DIT 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

ECO 1101 - PRINCIPLES OF MACROECONOMICS

An introduction to aggregate economics with emphasis on interdependence of sectors of an economy, aggregate concepts, determination of national income and fiscal and monetary policy

for stabilization. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Social Sciences

ECO 1102 - PRINCIPLES OF MICROECONOMICS

Examines the mechanism of the free enterprise system; pricing, production, and employment under various market conditions; functional distribution of income; selected topics in modern theory of general equilibrium and welfare economics. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Social Sciences

ECO 2205 - CONTEMPORARY ECONOMIC PROBLEMS

Examination of some of our crucial economic problems: unemployment, inflation, poverty; also some of the minor issues: right-to-work, national debt, and of several international concerns, e.g., the Common Market. Prerequisites & Notes: ECO 1101 and ECO 1102 or permission of instructor. Credits: 3 cr. GenEd Req: Social Sciences

ECO 3301 - INTERMEDIATE MACROECONOMIC THEORY

Develops models of the macroeconomy and analyzes the level and distribution of income, theories of unemployment, theories of consumption, theories of the public economy, theories of investment, the role of money, theories of crisis, theories of inflation, and theories of growth from alternative paradigms. A macroscopic view of the economy and the ability to analyze and forecast business conditions are developed. Prerequisites & Notes: ECO 1101 and ECO 1102. Credits: 3 cr.

ECO 3302 - INTERMEDIATE MICROECONOMIC THEORY

Introduction to the models and methods of modern microeconomic theory, concentrating on individual and firm decision making and on industry equilibrium; a brief treatment of general equilibrium theory and welfare analysis. Prerequisites & Notes: ECO 1101 and ECO 1102 or permission of instructor. Credits: 3 cr.

ECO 3305 - ECONOMETRICS

The orientation of this course is toward the analysis and interpretation of economic data. This course will examine the general linear regression model and its application to economics, including violations of the classical model assumptions. Credits: 3 cr.

ECO 3310 - BUSINESS AND ECONOMIC FORECASTING

This course is an introduction to the various methods economists and business managers use to forecast economic variables. Topics covered include regression techniques, exponential smoothing, decomposition of time series, moving averages, ARIMA models, and VAR models. Prerequisites & Notes: ECO 1101, ECO 1102 and MA 1125. Credits: 3 cr.

ECO 3311 - MONEY AND BANKING

An inquiry into the monetary system of the U.S. Brief examination of historical development; the functioning of monetary policy is considered. Emphasis is on the public/private nature of our banking system. Prerequisites & Notes: ECO 1101 and ECO 1102. Credits: 3 cr.

ECO 3315 - PUBLIC FINANCE

Investigates theories of taxation; normative and positive theories of the public economy; various taxes; tax incidence and the distribution of income and wealth; taxes and microeconomic behavior; and the distribution of expenditure benefits. Provides

students with an understanding of the functions of taxation and public expenditures in the process of accumulation and legitimization. Prerequisites & Notes: ECO 1101 and ECO 1102. Credits: 3 cr.

ECO 3333 - INTERNATIONAL ECONOMICS

A study of the economics aspects of international relations with particular emphasis on the economic basis for trade, international monetary problems, commercial policy, and international agencies and agreements. Prerequisites & Notes: ECO 1101 and ECO 1102 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

ECO 4450 - INTERNSHIP

Designed to allow the student the opportunity to learn in a professional setting. It must involve the application of economic theory and provide an opportunity for work involving the application of academic skills. Consult an academic advisor for departmental internship policies. Credits: 3 - 12 cr.

ECO 4485 - MANAGERIAL ECONOMICS

A rigorous development and application of microeconomic theory with an emphasis on the tools and techniques most useful to managers in a decision making environment. Topics include demand analysis, production and cost analysis, market structure, pricing strategies, risk analysis, estimation and forecasting. Prerequisites & Notes: MA 1125 and MA 1170 or permission of instructor. Credits: 3 cr.

ECO 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

ED 1102 - INTRODUCTION TO EDUCATION

An introduction to professional careers in K-12 education. Students examine teaching responsibilities, certification requirements, career prospects, and attributes of successful teachers. Topics include historical and social foundations of education, schools in a multicultural society, political influences on education, observations in schools, frameworks for teaching, and beginning a professional portfolio. Credits: 3 cr.

ED 1105 - EDUCATION FIRST YEAR SEMINAR: BECOMING A PROFESSIONAL

This course introduces first year students to the University, teacher education, and their major program. Students will be encouraged to become engaged members of the University learning community and to participate fully in the Mansfield University undergraduate experience. The course will also prepare students with information and tools for achieving teacher education program and Mansfield University success. Credits: 1 cr. GenEd Req: General Education Core

ED 1110 - FOUNDATIONS OF EDUCATION

An introduction to professional careers in K-12 education. Students examine teaching responsibilities, certification requirements, career prospects, and attributes of successful teachers. Topics include historical and social foundations of

education, schools in a multicultural society, political influences on education, observations in schools, frameworks for teaching, and beginning a professional portfolio. Credits: 2 cr.

ED 2205 - EDUCATIONAL PSYCHOLOGY

A study of the application of learning theory principles to the educational and institutional setting. Provides demonstrations and field experiences to enhance the applicability of these principles. Prerequisites & Notes: PSY 1101. Credits: 3 cr.

ED 2260 - ASSESSMENT IN EDUCATION

Students will study the domains of Educational Objectives and different types of formal and informal assessment techniques to assess young children. Students will also learn how to interpret and utilize multiple assessment results to make educational decisions. Students will develop an authentic assessment related to their area of teaching specialization. Prerequisites & Notes: ED 1110. Credits: 3 cr. GenEd Req: Information Literacy

ED 2606 - FIELD EXPERIENCE

This is a site-based pre-student teaching field experience in a diverse ethnic, language or SES community. Students will participate daily in public school classrooms in their field of study. Based on the site location, students will participate in community projects, interact in learning forums with other pre-service teachers and visit historical and cultural sites and museums. Prerequisites & Notes: ED 1110 or SPE 1001. Credits: 1-3

ED 3260 - ASSESSMENT IN EDUCATION

A basic testing and measurements course. Students study the domains of educational objectives, evaluation theory, the application of basic statistics to test data, and principles for selecting and interpreting standardized tests. Students will develop a test related to their area of teaching specialization. Credits: 3 cr. GenEd Req: Information Literacy

ED 3308 - TEACHING FOR MIDDLE-LEVEL LITERACY

This course is designed to prepare pre-service teachers to support literacy among middle-school students, grades 4-8. The course focuses on foundations of literacy, components of reading, types of texts, reading and writing assessment, reading and writing instruction and support strategies, and middle-level literacy research. Prerequisites & Notes: ED 1110. Co-Requisites ED 3400. Credits: 3 cr.

ED 3310 - CONTENT AREA READING AND WRITING

Designed to provide instructional experiences that enable secondary content teaching candidates and special field teacher candidates to develop selected basic knowledge, skills, and attitudes regarding the reading learning process. May be offered in a modular timeframe format. Prerequisites & Notes: ED 3320. Credits: 3 cr.

ED 3312 - TEACHING SECONDARY ENGLISH LANGUAGE ARTS

Designed to prepare the student for the teaching of middle school/junior/senior high school English communication arts. In investigating the present resources of the school, the needs of the learners, and the potential for development in the field of English language study, the student will be preparing to function in either a traditional or experience-based school curriculum. Credits: 3 cr.

ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY

Designed to prepare preservice teachers to teach science and technology to middle school and high school students. Content in the course includes principles, materials, strategies, and techniques for teaching science and technology. Credits: 3 cr.

ED 3314 - TEACHING SECONDARY MATHEMATICS

Examines methods of teaching secondary school mathematics in the "Information Age," the mathematics education reform movement, curricular changes and the standards for school mathematics, instructional methodology, use of materials, and development of skills required of secondary school mathematics teachers. Credits: 3 cr.

ED 3316 - TEACHING SECONDARY SOCIAL STUDIES

This course provides a thorough background in the methods and materials for the teaching of social studies. Emphasis is placed on self-directed inquiry that focuses on identifying issues, problems, and contexts and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement practice strategies in a classroom setting. Prerequisites & Notes: ED 1102 or ED 1110 and must be a teacher education candidate. Credits: 3 cr.

ED 3317 - TEACHING SECONDARY FOREIGN LANGUAGES

Emphasizes methods of teaching language skills, lesson organization, language resources, multimedia applications including computer technology and the history of foreign language teaching. Credits: 3 cr.

ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY

Provides secondary education students with opportunities to observe and participate in secondary schools prior to student teaching. Topics addressed include effective teaching and classroom discussion techniques, lesson and unit planning, and classroom management and discipline. Students receive supervision and feedback on their classroom performance from classroom teachers and the college instructor. Offered in a modular timeframe format. Prerequisites & Notes: Co-requisite: ED 3310. Credits: 3 cr. GenEd Req: Information Literacy

ED 3324 - TEACHING MIDDLE-LEVEL MATHEMATICS

This course is designed to prepare pre-service teachers to teach mathematics to middle-school students, grades 4-8. The course focuses on implementation of state- and national-level mathematics teaching standards, assessment of middle-level mathematics understanding, developmentally appropriate mathematics instructional techniques, and research in mathematics education. Prerequisites & Notes: ED 1110. Completed requirements for Gate One. Credits: 3 cr.

ED 3326 - TEACHING MIDDLE-LEVEL SOCIAL STUDIES

This course provides a thorough background in the methods and materials for the teaching of social studies in grades 4-8. Emphasis is placed on self-directed inquiry, which focuses on identifying issues, problems, and contexts, and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement practice strategies

of their own in the classroom. Prerequisites & Notes: ED 1110, ED 2205, GEG 1101, HST 1111, HST 2201 and completion of Gate One requirements. Credits: 3 cr.

ED 3327 - TEACHING MIDDLE-LEVEL SCIENCE and TECHNOLOGY

This course is designed to prepare pre-service teachers to teach science to middle-school students, grades 4-8. The course focuses on implementation of state- and national-level science teaching standards, safety and welfare, techniques for assessment and instruction, nature of science and technology, socially important issues related to science and technology, and utilization of community resources for science and technology education. Prerequisites & Notes: ED 1110 and complete Gate One requirements. Credits: 3 cr.

ED 3400 - SCHOOL EXPERIENCES AT THE MIDDLE LEVEL

A pre-student teaching intensive field experience course, focusing on history and philosophy of middle-level education, teaching at the middle level, understanding of early adolescent development, and professionalism. Prerequisites & Notes: ED 3324, ED 3327 and 60 earned credits. Co-Requirement ED 3308. Credits: 3 cr.

ED 4400 - STUDENT TEACHING

(By arrangement) Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor. Credits: 12 cr.

ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL

This lab is designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career. Prerequisites & Notes: Co-requisite ED 4400 Credits: 0 cr.

ED 4460 - PROFESSIONAL SEMINAR

Designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; techniques for seeking a professional position; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career. Prerequisites & Notes: Prerequisite: Senior standing in teacher education; taken during student teaching semester. Credits: 2 cr.

ED 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

ELE 1150 - INTRODUCTION TO EARLY CHILDHOOD EDUCATION

An introduction to the teaching of young children, birth through age eight; current issues and practices; historic and future trends; and assessment of one's strengths and interests related to the career opportunities in early childhood education. Prerequisites & Notes: ED 1102. Credits: 3 cr.

ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS

This course covers child development, with focus on related cognitive process of children from prenatal age to 5 years old. Candidates will develop knowledge, skills, & competencies in a comprehensive range of developmental topic areas: language, social, moral, and physical areas. Other topics include the needs of young children and family influences. Candidates will learn developmentally appropriate practices to include educational contexts, assessment, and classroom applications; the use of data-driven research about young children; and identification with young childhood education including professional organizations (PDE, NAEYC, & ACEI). Prerequisites & Notes: PSY 1101. Credits: 3 cr.

ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS

This course covers child development, with focus on related cognitive process of children from 6-9 years old. Candidates will develop knowledge, skills, and competencies in a comprehensive range of developmental topics areas: cognitive, language, social, moral, and physical areas. Other topics include the needs of young children and family influences. Candidates will learn developmentally appropriate practices to include educational contexts, assessment, and classroom applications; the use of data-driven research about young children; and identification with young childhood education including professional organizations (PDE, NAEYC, and ACEI). Prerequisites & Notes: ELE 1190. Credits: 3 cr. Dual Listed/Cross Listed: ELE-5550

ELE 2220 - CHILD DEVELOPMENT

Examines development from conception and infancy, through preschool and middle school, and ends with adolescence. Major developmental theories that focus on the interaction of heredity and the environment are the key components. Prerequisites & Notes: PSY 1101. Credits: 3 cr.

ELE 2800 - EARLY CHILDHOOD INTEGRATED CURRICULUM and METHODS

Students learn to build on children's experience and knowledge to foster development of skills in language, communication, observation, investigation, inquiry, collaboration, citizenship, and social interactions, using play, visual and auditory stimulation, and hands-on manipulation of developmentally appropriate resources. Family, linguistic, cultural, and community backgrounds, individual approaches to learning; and informal knowledge will be addressed, as will issues of self-control and self-esteem. Students learn to introduce content in language arts, mathematics, social studies, science, physical health, music, integrated arts, and technology to pre-school children. Prerequisites & Notes: ED 1110. Credits: 3 cr.

ELE 3263 - PRESCHOOL CURRICULUM AGES 3 - 5

Addresses aspects of a quality preschool program. Topics this course examines include: theoretical foundations of teaching and

learning, children ages 3 - 5; preschool curriculum models; key components of a preschool program; an integrated curriculum to foster children's development; and adapting curricula for children in inclusive preschool settings. This course will require observations and participation in a preschool setting. Credits: 3 cr.

ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY

Provides juniors with the following observation, participation and professional guidance experiences: observation of an elementary classroom; orientation to policies and practices of an elementary school; opportunity to observe the in-service teacher in the performance of his/her duties; introduction to administrative duties of an elementary classroom; the privilege of working with individual children, small groups of children and an entire classroom under supervision; and the opportunity to receive feedback on performance from the cooperating teacher and the college supervisor. Credits: 3 cr. GenEd Req: Information Literacy

ELE 3362 - EMERGING LITERACY

Theoretical foundations and the components of a developmentally appropriate literacy program for children ages 4-8 are introduced. Topics include: teaching and assessment strategies, instructional resources, classroom management, grouping for instruction, and involving parents. Credits: 3 cr.

ELE 3383 - LITERACY METHODS I: PRE-K-I

Developmentally appropriate literacy instruction for the preschool and early grades featuring the following: foundation in research and theory; word-level instructional strategies; text-level comprehension strategies; reading-writing connections; instructional approaches and materials; and assessment. Prerequisites & Notes: ELE 2800. Credits: 3 cr.

ELE 3384 - TEACHING ELEMENTARY MATHEMATICS

Methods of teaching mathematics in the "Information Age," the reform movements curricular changes and emphasis, instructional methodology and use of materials, and development of mathematics skills required of elementary school teachers are examined. Credits: 3 cr.

ELE 3386 - SOC STUDIES METHODS

Students learn the scope and sequence of the social studies that encompass the seven disciplines of history, geography, political science, economics, sociology, psychology, and anthropology and align with the ten NCSS thematic strands. They incorporate developmentally appropriate multicultural social studies content, integrative cross-curricular models, research-based instructional methods employing current technologies to plan lessons and as social studies unit for children in Pre-K to grade 4 settings. Prerequisites & Notes: ELE 2800. Credits: 3 cr.

ELE 3387 - SCIENCE METHODS

Develops techniques for fostering understanding of the nature of science and strengthening the habit of conducting first-hand scientific inquiry into the natural world. Emphasis is placed on developmentally appropriate techniques for bridging early conceptions of the natural world to scientific conceptions, along with implementation of state and national science/technology

standards. Prerequisites & Notes: ELE 2800.
Credits: 3 cr.

ELE 3388 - MATHEMATICS METHODS I: GRADES PRE K-I

Planning, implementing, and assessment of developmentally appropriate mathematics instruction in preschool through first grade. Emphasis on materials, activities, manipulatives, learning centers, games, children's literature, and technologies to build emergent conceptual mathematical understandings. Prerequisites & Notes: ELE 2800. Credits: 3 cr.

ELE 3391 - BEHAVIORAL, SOCIAL, AND EMOTIONAL ISSUES

Addresses "at-risk" factors in children and the classroom techniques that teachers may use to address students' behavioral, social, and emotional needs. Topics examined in the course include classroom management and discipline, students' social relationships, students' emotional well being, and gender issues in teaching. Teachers will learn to identify students who are victims of physical abuse and to make appropriate professional referrals. Credits: 3 cr.

ELE 3395 - INTEGRATING ARTS

Examines the nature of creativity and varied uses of creativity and the arts in elementary lesson planning, teaching, and curriculum development; areas of study include art, music, drama, storytelling, movement and dance, poetry, and children's literature; emphasis is placed upon the uses of creativity and the arts by classroom teachers to enhance their teaching across the curriculum. Prerequisites & Notes: ELE 2800. Credits: 3 cr.

ELE 3400 - SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL

This course provides a pre-student teaching extended field experience in Pre-K through fourth grade education. Field experiences will be marked by attention to candidate reflection, continuous learning, research-validated and ethical practices, advocacy for children, knowledge and understanding of diversity, collaboration with others, adapting instruction to individual student learning differences, and commitment to professional standards and growth. This field experience course should be scheduled as close to student teaching as possible and after students have completed a significant number of education methods courses. Prerequisites & Notes: Take ELE-2800 and earned 60 credits. Credits: 3 cr. GenEd Req: Information Literacy

ELE 4400 - STUDENT TEACHING

(By arrangement) Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor. Credits: 12 cr.

ELE 4400L - (W) SENIOR LAB: BECOMING A PROFESSIONAL

This lab is designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career. Prerequisites & Notes: Co-requisites: Take ELE-4400

Pre-requisites: Students are registered for this lab by the Field

Experience Office, only after approval of the Student Teaching Application. Therefore, no student would be admitted to student teaching without the rest of the education program. Credits: 0 cr. GenEd Req: Writing

ELE 4403 - (W) LANGUAGE ARTS METHODS FOR THE DEVELOPING CHILD

Language arts instruction in Pre-K-4 early childhood and elementary education. Featured topics include language arts theory and research; instructional techniques for developing listening, speaking, reading, writing, visual representations, and viewing; spelling, handwriting, grammar, and word study; comprehension. Particular emphasis is placed on writing instruction. Prerequisites & Notes: ELE 3383. Credits: 3 cr. GenEd Req: Writing

ELE 4405 - EARLY SCHOOL CURRICULUM AGES 6-8

Addresses aspects of a quality early school program (K-3rd grade). Topics examined in this course include: theoretical foundations of teaching and learning with children, age 6-8; perspectives that inform curriculum planning; components of an early grade program; an integrated curriculum; and adapting curricula for children in inclusive settings. Students will team-teach with classmates in an early grade in a local school. Prerequisites & Notes: ELE 1150 and ELE 3263. Credits: 3 cr.

ELE 4425 - TEACHING ELEMENTARY READING AND LITERATURE II

Tests and techniques to prevent, detect, and correct reading difficulties; special methods and materials for problem readers. Prerequisites & Notes: ELE 3383. Credits: 3 cr.

ELE 4426 - MATHEMATICS METHODS II: GRADES 2-4

Elementary mathematics instruction in grades two, three, and four. Featured topics include problem solving, teaching for conceptual understanding, uses of manipulatives, number and operations, early algebra and geometry, measurement, and data analysis and probability. Knowledge and application of national and state standards for the teaching of mathematics. Prerequisites & Notes: ELE 3388. Credits: 3 cr.

ELE 4435 - LITERACY METHODS II

Builds on literacy and language models and teaching methods from ELE 3383, with an emphasis on differentiating instruction based on formal and informal reading assessments. Approaches to designing data-driven interventions for individuals and research-based classroom literacy methods are explored. Prerequisites & Notes: ELE 3383. Credits: 3 cr.

ELE 4460 - PROFESSIONAL SEMINAR

Designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; techniques for seeking a professional position; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career. Prerequisites & Notes: Prerequisite: Senior standing in teacher education; taken during student teaching semester. Credits: 2 cr.

ENG 0090 - BASIC WRITING SKILLS

Designed to prepare students to do college-level writing. **Does NOT count toward total credits needed for graduation.** Credits: 3 cr.

ENG 1112 - COMPOSITION I

Intensive reading and writing of expository prose. Analytical and critical thinking and college-level research skills are emphasized. Prerequisites & Notes: Exemption from ENG 0090 or equivalent transfer course. Credits: 3 cr. GenEd Req: Foundations of Knowledge – Written Communication, General Education Core, Information Literacy

ENG 1115 - INTRODUCTION TO LITERATURE

Introduction to reading poetry, fiction, drama for understanding and enjoyment. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Language and Literature

ENG 1130 - INTRODUCTION TO LITERARY STUDIES

An intensive introduction to the discipline of literary studies for current and prospective English majors. Students will become acquainted with literary genres and terms, learn strategies for reading and understanding literature, and develop critical skills for discussing and analyzing literary texts. Credits: 3 cr. GenEd Req: Global Awareness

ENG 1175 - NATURE OF LANGUAGE

This course explores “the nature of language,” looking at what language is, how we learn and use language, and how language functions in and shapes our lives. Credits: 3 cr. Dual Listed/Cross Listed: ANH 1104. GenEd Req: Information Literacy, Languages & Literature

ENG 2203 - READINGS IN ANCIENT LITERATURE

Selected texts from ancient cultures, such as Sumerian, Egyptian, Chinese, Indian, Hebrew, Greek, and Roman. Credits: 3 cr. GenEd Req: Global, Language and Literature

ENG 2204 - READINGS IN WORLD LITERATURE

Selected readings from nineteenth and twentieth century world literature, excluding British and American. Credits: 3 cr. GenEd Req: Global, Language and Literature

ENG 2207 - READINGS IN BRITISH LITERATURE

Selected readings from British literature. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

ENG 2208 - READINGS IN AMERICAN LITERATURE

Selected readings from American literature. Credits: 3 cr. GenEd Req: Language and Literature

ENG 2209 - READINGS IN SHAKESPEARE

Selected readings in Shakespeare for the non-English major. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Global Awareness, Language and Literature

ENG 2220 - SPECIAL TOPICS IN LITERATURE

A study of one of the following topics: African-American Literature, Women’s Literature, other Minority Literature, Recent Literature, Film, or Folklore. May be repeated for a total of 9 credits. Credits: 3 cr. GenEd Req: Language and Literature

ENG 2225 - ENGLISH GRAMMAR

A systematic description of the rules of modern English grammar, making use of both traditional and contemporary grammatical theories. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Language and Literature

ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE

A study of the development of the English language from Old English to modern times with special attention to the causes of linguistic change. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Language and Literature

ENG 2252 - INTRODUCTION TO POETRY WRITING

Designed to help students develop their voices and styles as poets and to discover and utilize the various poetic devices and forms through writing exercises, reading and discussing poems, discussing one another’s poems in a supportive atmosphere and through revising poems. Credits: 3 cr. Dual Listed/Cross Listed: ENG 3252. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

ENG 2254 - INTRODUCTION TO FICTION WRITING

Designed to help students find their true voice and true concerns as writers while mastering the essentials of the art. Emphasis is on writing exercises and then complete works, but also on becoming better readers. In-depth discussion of student work, the assigned readings, and the process of writing. Credits: 3 cr. Dual Listed/Cross Listed: ENG 3254. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

ENG 2299 - MONSTERS IN LITERATURE AND FILM

This course focuses on analyzing and understanding the significance of monsters in mythology, literature, and film using a variety of critical approaches. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Languages & Literature

ENG 3252 - ADVANCED POETRY WRITING

Students further develop their skills as poets by studying contemporary poetry by a wide diversity of writers and writing their own poems. Emphasis will be on students developing a body of work to be edited into a chapbook. Students will give presentations over a “poet mentor.” learn how to evaluate literary markets and how to submit poetry manuscripts for publication, and give a reading of their poems. Prerequisites & Notes: ENG 2252. Credits: 3 cr. Dual Listed/Cross Listed: ENG 2252. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

ENG 3254 - ADVANCED FICTION WRITING

Through writing exercises, reading the work of published writers, and workshopping original manuscripts, students will work on creating a portfolio of short fiction or the first three chapters of a novel. Students will also learn how to market their work. Prerequisites & Notes: ENG 2254. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

ENG 3268 - SURVEY OF BRITISH LITERATURE I

Survey of major British literature from Beowulf through Neoclassicism. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Global, Languages & Literature

ENG 3269 - SURVEY OF BRITISH LITERATURE II

Survey of major British literature from the Romantics through the present. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Global Awareness, Languages and Literature

ENG 3278 - SURVEY OF AMERICAN LITERATURE I

Survey of 17th, 18th, and early 19th century American writers. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Languages and Literature

ENG 3280 - SURVEY OF AMERICAN LITERATURE II

Survey of American writers from the late nineteenth-century to the present. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Languages and Literature

ENG 3281 - INTRODUCTION TO LINGUISTICS

Methods of analysis and description of language and ways in which human beings use their language. Of interest to students who wish to continue study of linguistics as well as those in a variety of professions who wish to read with understanding linguistic literature in their own field. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Information Literacy, Language and Literature

ENG 3305 - COMPARATIVE LITERATURE

Examines major works in a genre or movement, comparing two or more national literatures. Prerequisites & Notes: ENG 1112. Credits: 3 cr. Notes: May be taken for a total of nine credits. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Language and Literature

ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD

Study of literature written in English outside of the British Isles and the United States. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

ENG 3313 - COMPOSITION II

Advanced writing and analytical thinking based on texts from across the curriculum. Must be passed with a minimum grade of “C-” before graduation. Prerequisites & Notes: ENG 1112 and 45 credits earned. Credits: 3 cr. GenEd Req: Foundations of Knowledge – Written Communication, General Education Core

ENG 3316 - CREATIVE NON-FICTION PROSE WRITING

Students will write about subjects of interest and importance to them using literary techniques and devices. Will read and discuss a selection of book-length non-fiction works: memoirs, diaries, socio-political commentary, and nature writing. Writing techniques and exercises designed to stir creativity and stimulate ideas will be used. Prerequisites & Notes: ENG 2202. Credits: 3 cr. GenEd Req: Language and Literature

ENG 3320 - SPECIAL TOPICS IN LITERATURE

A specialized study of a topic in literature, film, or folklore. Credits: 3 cr. Notes: May be taken for a total of 9 credits. GenEd Req: Approaches to Knowledge – Humanities, Language and Literature

ENG 3324 - COMPOSITION THEORY & PRACTICE

Analysis of current theories about the writing process and methods of applying these theories, with actual practice in tutoring writing. Prerequisites & Notes: ENG 1112 and ENG 3313. Credits: 3 cr.

ENG 3326 - WOMEN'S LITERATURE

A study of literature by and about women in its literary, cultural, and social contexts. May be topical, thematic, or period-based. May include such authors as Austen, Bronte, Chopin, Woolf, Emecheta, Morrison, and Tan. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Language and Literature

ENG 3327 - AFRICAN AMERICAN LITERATURE

This course studies a prominent dimension of African-American Literature. Potential topics include specific genres, important time periods, major or minor authors, comparative multicultural contexts. Students hone their critical reading and writing skills in this important and growing area of American literature. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Language and Literature

ENG 3328 - LESBIAN AND GAY LITERATURE

This course focuses on literature by and about lesbian, gay, bisexual, and transgender (LGBT) people, and what it is to be LGBT in our society. Literature will be studied in conjunction with film, music, television, newspaper and magazine articles, art, and history. The emphasis of the course will be on active discussion and close scrutiny of the literature, our society, and ourselves. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Language and Literature

ENG 3332 - NATURE WRITING

Based on reading, observation, and experience, students will write creative non-fiction prose about nature and discuss each other's work. The course will deal with such issues as the importance of place, the role of science in personal responses to nature, the nature of Nature, and the meaning of “nonfiction” in nature writing. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Language and Literature

ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS

Designed to refine the writing skills of English majors, with an emphasis on critical analysis and the mechanics of writing. Students will read and write about a literary, rhetorical, or linguistic concept chosen by the instructor (irony in literature, for example) and revise at least one essay from their English portfolio. Prerequisites & Notes: ENG 1130 and two upper division ENG classes. Credits: 3 cr.

ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE

Study of major British writers and works from the Anglo Saxon period to 1500. Selections may include Old English lyric and narrative poetry (Like Beowulf) in translation, and Middle English romances, allegories, bawdy tales, plays, songs, and mystical writings, some in the original language, some in translation. Authors may include Chaucer, Julian of Norwich, Langland, Malory, and that most prolific of medieval authors, Anonymous. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Global Awareness

ENG 3351 - ENGLISH RENAISSANCE LITERATURE

A study of major writers from 1500 to 1660, the Reformation through the English Civil War. Authors include Sydney, Spenser, Shakespeare, Donne, Jonson, and Milton. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Global Awareness

ENG 3352 - SHAKESPEARE

Selected plays of Shakespeare with interpretation, evaluation, and attention to his development as a dramatist and poet. Prerequisites & Notes: ENG 1112 and one of the following: ENG 1130 or ENG 1115 or ENG 2207 or ENG 2209. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE

A study of major British writers from 1660 to 1800. The course will include both primary texts and literary criticism addressing the literature of the period. Includes authors such as Behn, Defoe, Pope, Richardson, Fielding, Smith, and Radcliffe. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE

A study of major British writers from the Romantic and Victorian eras. May include such authors as Burns, Blake, Wordsworth, Coleridge, Keats, Shelley, Bronte, Carlyle, Dickens, Eliot, Hardy, and Wilde. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Global Awareness

ENG 3360 - BRITISH LITERATURE SINCE 1900

A study of major writers of the twentieth century such as Yeats, Joyce, Woolf, Eliot, Beckett, Winterson, and Rushdie. Topics of study include modernism, postmodernism, literary responses to cultural upheaval such as World War II, and post-colonialism. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Global Awareness

ENG 3362 - AMERICAN ROMANTICISM AND TRANSCENDENTALISM

A study of American Romanticism and Transcendentalism, focusing on the work of such writers as Emerson, Thoreau, Fuller, Whitman, Melville, Hawthorne, and Poe. Prerequisites & Notes: ENG 1112. Credits: 3 cr.

ENG 3363 - AMERICAN REALISM AND NATURALISM

Study of American literature written between the Civil War and World War I. Possible authors include: Dickinson, Twain, James, Chopin, Crane, Chesnut, Wharton, Dreiser, Wilkins Freeman, and Orne Jewett. Prerequisites & Notes: ENG 1112. Credits: 3 cr.

ENG 3364 - AMERICAN LITERATURE SINCE 1900

A study of major American writers since World War I, such as Wharton, Faulkner, Williams, Baldwin, Morrison, and Erdrich. Topics include modernism, postmodernism, race, and gender. Prerequisites & Notes: ENG 1112. Credits: 3 cr.

ENG 3371 - PROFESSIONAL WRITING

This course teaches students to write for various purposes in professional contexts. Particular attention will be paid to issues of audience awareness and style. Students will write texts for various contexts, including, but not limited to, letters, resumes, memos, press releases, reports, analyses, and grants. Prerequisites & Notes: ENG 1112. Credits: 3 cr.

ENG 3376 - MAJOR GENRE

A study of a major genre, such as poetry, drama, the novel, short fiction, nonfiction prose, or film. Prerequisites & Notes: ENG 1112 or ESL 1112. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities,

ENG 3381 - HISTORY OF LITERARY THEORY AND CRITICISM

Survey of Western literary theory and criticism from Plato, Aristotle, and Horace to the New Critics. Prerequisites & Notes: ENG 1112. Credits: 3 cr. GenEd Req: Language and Literature

ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM

Survey of recent approaches to literature, including formalist, structuralist, post-structuralist, reader-response, psychoanalytic, feminist, marxist, new historical, and/or post-colonial literary criticism. Prerequisites & Notes: ENG 1112 and ENG 1130. Credits: 3 cr.

ENG 3385 - MAJOR AUTHOR

A detailed study of a major author/auteur (or pair of authors/ auteurs), such as Chaucer, Milton, Dickens, Brontë, Woolf, Faulkner, Morrison, or Hitchcock. Prerequisites & Notes: ENG 1112 and ENG 1130. Credits: 3 cr.

ENG 3389 - GRAPHIC NOVEL

This course focuses on analyzing and creating graphic literature, also referred to as “comics.” Potential topics include specific genres, important time periods, major or minor authors, and comparative multicultural contexts. Students hone their critical reading skills as well as their creative skills in this important and growing area of literature. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience, Languages and Literature

ENG 4401 - SEMINAR IN LITERARY STUDIES

A sustained, in-depth study of literature which draws on the expertise developed in previous English courses. Topics will vary. Students will complete a seminar-length researched paper/project, culminating in the public presentation of that work. Prerequisites & Notes: ENG 1112 and 75 earned credits. Credits: 3 cr. GenEd Req: Information Literacy

ENG 4416 - NOVEL WRITING

Students will read and discuss published novels and work on writing their own, critiquing and discussing one another's work. Includes the first 3 chapters and a synopsis of the novel. Prerequisites & Notes: ENG 3312 or permission of instructor. Credits: 3 cr. Notes: May be taken for 1 through 3 credits at one time.

ENG 4495 - ENGLISH INTERNSHIP

Offers practical work experience and the opportunity to apply and further develop skills such as writing and editing in a variety of professional settings. May be taken for six through twelve credits. No more than six credits count toward the major. Prerequisites & Notes: Prerequisite: Permission of the department chairperson and supervising faculty member. Variable Credits: 6-12 cr.

ENG 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr.

ES 3300 - HUMANS IN NATURE

Students explore the relationship between people and the natural world emphasizing modes of analysis drawn from social science, humanities, and art disciplines. The course focuses on the interdisciplinary understanding of selected issues. Prerequisites & Notes: GEG 1122 and one of the following: BSC 1103, CHM 1103 or GEL 1102. Credits: 3 cr.

ES 4497 - INDEPENDENT STUDY

Working with an advisor outside the area of their majors, students produce interdisciplinary projects involving the relationship between people and nature. Prerequisites & Notes: Completion of 18 hours toward the Environmental Studies minor. Credits: 3 cr.

ESL 0045 - INTENSIVE ENGLISH FOR NON-NATIVE SPEAKERS I

Designed to improve the writing, reading, speaking, and listening skills of intermediate level non-native speakers of English in preparation for regular degree program academic work. Recommended for students with TOEFL scores between 450 and 500 or who have permission of the instructor. Meets ENG 0090 requirement. Credits do not count toward the total needed for graduation. May be repeated. Credits: 3 cr.

ESL 0046 - INTENSIVE ENGLISH FOR NON-NATIVE SPEAKERS II

Designed to improve the writing, reading, speaking, and listening skills of the advanced intermediate level non-native speakers of English in preparation for regular degree program academic work. Recommended for students who have successfully completed ESL 0045 or who have TOEFL scores between 500 and 515 or who have permission of the instructor. Meets ENG 0090 requirement. Credits do not count toward the total needed for graduation. May be repeated. Prerequisites & Notes: ENG 0045. Credits: 3 cr.

ESL 1112 - ESL COMPOSITION

Composition for advanced level non-native speakers of English. Includes intensive reading and writing of expository prose. Assignments develop analytical and critical thinking skills and college-level research skills, with emphasis on the particular needs of ESL students. Meets ENG 1112 requirement. Students may not apply both ENG 1112 and ESL 1112 toward graduation requirements. Prerequisites & Notes: ESL 0045 and ESL 0046 or permission of instructor. May be taken concurrently with ESL 1145. Credits: 3 cr. GenEd Req: Foundations of Knowledge – Written Communication

ESL 1145 - ADVANCED ENGLISH

Designed to improve the writing, reading, speaking, and listening skills of advanced level non-native speakers of English in preparation for the TOEFL exam. Credits count toward the total needed for graduation. Recommended for students who have successfully completed ESL 0045 and 0046 or who have a TOEFL score of 515 or higher or who have permission of the instructor. Prerequisites & Notes: ESL 0045 and ESL 0046 or permission of instructor. Credits: 3 cr.

FIN 3301 - INTRODUCTION TO FINANCE

Examines basic concepts and techniques for identifying and solving elementary financial management problems. Topics

include compound interest and time value of money, financial statement analysis, working capital management, cash flow analysis and capital budgeting, short-term financing, and stockholder equity valuation. Prerequisites & Notes: ECO 1101. Credits: 3 cr.

FIN 3312 - FINANCIAL MARKETS AND INSTITUTIONS

This course is an introduction to the money and capital markets of the United States, with an emphasis on the determination of financial asset value and the management of interest rate risk. Topics include the determination of interest rates, valuation of financial claims, financial markets, futures and options, managing interest rate risk, managing credit risk, asset management and pricing, liability management, and government regulation. Prerequisites & Notes: ECO 1101 and ECO 1102. Credits: 3 cr.

FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT

Examines international aspects of finance from the point of view of corporations doing business outside the sovereign boundaries. Includes determination of exchange rates, various types of exposure faced by MNCs, international money and capital markets, export/import financing, currency swaps, international portfolio management, international capital budgeting, and foreign direct investment. Examines the challenges and difficulties faced by MNCs in doing business in China, India, South America and Eastern Europe. Prerequisites & Notes: ECO 1102 and MA 1125. Credits: 3 cr. GenEd Req: Global Awareness

FIN 3380 - MANAGERIAL FINANCE

This course introduces the investment and financing decision of corporations. Topics covered include valuation of stocks and bonds, time value of money, financial ratios, risk and expected return, capital investment analysis, corporate financing and dividend policy. Some fundamental aspects of international finance are presented. The course will also cover some current issues related to ethics in finance. Prerequisites & Notes: MA 1125 and ECO 1101. Credits: 3 cr.

FIN 4435 - INVESTMENT THEORY

Introduction to financial policy with special emphasis on the practical application of risk-return theory. Investment decisions by individuals and firms, in stocks and bonds and other securities, made on the basis of incomplete information in an uncertain environment is covered. Prerequisites & Notes: ECO 1102 and MA 1125. Credits: 3 cr.

FR 1101 - INTRODUCTORY FRENCH I

For beginning students and those with less than two years of high school French. Emphasis is on grammar, pronunciation drills, aural comprehension, speaking, reading, and writing with language lab. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

FR 1102 - INTRODUCTORY FRENCH II

Continuation of 1101 with language lab. Prerequisites & Notes: FR 1101 or equivalent. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

FR 2201 - INTERMEDIATE FRENCH I

Reading texts, grammar review and further practice in aural comprehension, speaking, and writing with language lab. Prerequisites & Notes: Three years of high school French or FR 1102. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

FR 2202 - INTERMEDIATE FRENCH II

Continuation of 2201 with language lab. Prerequisites & Notes: Four years of high school French or FR 2201. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

FR 2205 - PHONETICS AND PRONUNCIATION

A study of the speech organs, place and manner of articulation of French phonemes and their phonetic realizations, along with extensive practice exercises on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to some French dialects and regional pronunciation patterns. Prerequisites & Notes: FR 1102 or equivalent; FR 2201 or higher is preferred. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3300 - CONVERSATIONAL FRENCH CIVILIZATION

Designed to gain more fluency and develop writing skills. Examines socio-economic, political, and cultural topics. Prerequisites & Notes: FR 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3305 - ADVANCED FRENCH CONVERSATION

Continuation of 3300. Students make oral commentaries and write reports. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3306 - TOPICS IN FRENCH CIVILIZATION (HISTORY)

A brief survey of French history, with particular attention to major events and personalities. Prerequisites & Notes: FR 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3307 - TOPICS IN FRENCH CIVILIZATION (GEOGRAPHY)

A study of the geography of French-speaking countries. Prerequisites & Notes: FR 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3309 - TOPICS IN FRENCH CIVILIZATION (CONTEMPORARY PROBLEMS)

A study of the problems facing the people of French-speaking countries. Prerequisites & Notes: FR 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3310 - BUSINESS FRENCH

An introduction to French business and its terminology: a broad study of the commercial procedures in France with a concentration on the acquisition of the necessary vocabulary. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3311 - INTRODUCTION TO FRENCH LITERATURE

The course is designed to introduce students to important periods, genres, literary movements, and authors. It is based on the most recent French practices in teaching literature at an introductory level, with a concentration on poetry, essay, theatrical works, and autobiographical writings. It is designed to give students a sense of what constitutes a literary text as well as a capacity for analyzing texts, discussing themes and ideas, and improving their reading and writing skills. The course will cover examples of texts from poetry to the novel, from the Renaissance to the end of the XXth century, from tragedy to comedy, from entertainment to questioning and discussing major themes. Prerequisites & Notes: FR 2202 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3320 - ADVANCED FRENCH STRUCTURE

A final review of the structure of French and study of short literary texts. Prerequisites & Notes: FR 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3330 - SURVEY OF FRENCH LITERATURE I

Selected readings of major French writers through the 18th century, outside readings and reports, literary movements, style and form. Prerequisites & Notes: FR 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3331 - SURVEY OF FRENCH LITERATURE II

Selected readings of major French writers since 1800; outside readings and reports, literary movements, style and form. Prerequisites & Notes: FR 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 3370 - FOREIGN STUDY - CREDIT ARRANGED

Open to students who wish to continue the study of French abroad. The number of credits granted is based upon validated credentials presented to the department. Plans for foreign study should be submitted at least one semester prior to departure. Regulations regarding study abroad are available in the Office of the Provost/Vice President for Academic Affairs. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

FR 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time. GenEd Req: Global Awareness, Language and Literature

FYS 1100 - FIRST YEAR SEMINAR

First Year Seminar - Subject changes. Credits: 3 cr. GenEd Req: Foundations of Knowledge – First Year Seminar

GEG 1101 - WORLD REGIONAL GEOGRAPHY

Regional study of the world with special emphasis on the diversity of human existence and the world-scale problems currently faced. Credits: 3 cr. GenEd Req: Global Awareness, Social Sciences

GEG 1102 - HUMAN GEOGRAPHY

Study of aspects and distribution of culture. Topics include: population, health, language, religion, and economic activities. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Social Sciences

GEG 1111 - PHYSICAL GEOGRAPHY

Introduces the earth-science component of geography. Topics include: earth-sun relationships, weather and climate, vegetation, soils, and landforms. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Global Awareness, Social Sciences

GEG 1122 - ENVIRONMENTAL ISSUES

Surveys a wide range of environmental issues. Topics include: population growth, soils, floods, water availability and quality, sewage treatment, solid and toxic waste, fossil fuels, nuclear power, and alternative energy sources. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Global Awareness, Social Sciences

GEG 1130 - INTRO INFOGRAPHICS

A basic course in how to make information visible by creating graphs, charts and maps using readily available software. Major topics include which graphics to use, how to design them, how to create them and how to integrate them into papers and presentations. Credits: 1 cr.

GEG 3020 - PRACTICUM

An out-of-class learning experience that allows students to observe or participate in applied work. Practicums are graded S or U - they do not affect GPA. Prerequisites & Notes: Permission of instructor. Credits: 1-5 cr. Notes: May be repeated for a total of five credits.

GEG 3060 - PRINCIPLES OF SOIL SCIENCE

A survey course that examines the physical, chemical and biological properties of soils. Relationships between soils and plant growth, land use, watershed management, water pollution, and environmental protection form an integral part of the course. Field work is required. Credits: 3 cr.

GEG 3272 - GIS/GPS

Covers Geographic Information systems (GIS) and Global Positioning Systems (GPS), and how to integrate them with databases to solve practical problems. Hands-on work is stressed. Credits: 4 cr.

GEG 3280 - CARTOGRAPHY

The principles and tools of cartography. Students use a combination of graphics software and mapping software to compile, design, and produce maps. Credits: 4 cr. GenEd Req: Information Literacy

GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION

Studies the interpretation of maps and aerial photographs. Topics include: location systems, scale, portrayal of relief, introductory surveying techniques, photogrammetry, interpretation principles, and specific applications. Credits: 4 cr.

GEG 3312 - WEATHER AND CLIMATE

Studies the basic concepts of meteorology and climatology. Topics include: causes and consequences of climate change, surface and upper-level processes, severe storms, clouds, and optical phenomena. Credits: 3 cr.

GEG 3321 - (GEL) GEOMORPHOLOGY

Studies how landforms develop and change. Surveys the major landform regions and national parks of the United States. Interpretation of aerial photographs is an integral part of the course. Prerequisites & Notes: GEG 1111 or GEL 1121 or permission of instructor. Credits: 3 cr.

GEG 3345 - WEB BASED CARTOGRAPHY

This course will demonstrate the role and duties of a cartographer or graphic artist in the design and construction of a graphic-intensive website. Each student will design and produce an informative and interactive website that presents a thoroughly researched topic. Students will write HTML and simple scripts that control rollovers, image maps, and sliced images. In addition, they will learn about scanning, computer animation, and digital photography for the web. Prerequisites & Notes: GEG 3280. Credits: 3 cr.

GEG 3364 - GEOSTATISTICS

An introduction to the methods of geographic measurement, such as data-gathering and statistical-computerized analysis. Intended to familiarize students with more advanced methodologies of geographic research. Credits: 3 cr. GenEd Req: Information Literacy

GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA

An analysis of the physical and human aspects of the United States and Canada. Particular emphasis on regionalism and regional problems. Credits: 3 cr. GenEd Req: Social Sciences

GEG 3381 - GEOGRAPHY OF PENNSYLVANIA

Analysis of the regional patterns of Pennsylvania. Topics include: topography, climate, water resources, mineral resources, and the historical development of economic regions within the State. Credits: 3 cr. GenEd Req: Social Sciences

GEG 3410 - GEOGRAPHIC RESEARCH

Studies the techniques of research in geography as well as the effective written and oral presentation of results. Both a research paper and an oral presentation are required. Prerequisites & Notes: GEG 3364. Credits: 3 cr. GenEd Req: Information Literacy

GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY

Offers extensive field experience and the opportunity to observe, first-hand, a variety of natural and human processes and phenomena. Credits: 2-4 crs. Notes: May be taken for 2 through 4 credits.

GEG 4420 - (GEL) - REMOTE SENSING

Examines color and color infrared aerial photography as well as Landsat, SPOT, Thermal and Radar imagery. Computer processing of Landsat data is an integral part of the course. GEG (GEL) 3290 recommended. Credits: 3 cr.

GEG 4465 - SEMINAR IN ENVIRONMENTAL SCIENCE

An upper-level seminar that integrates and applies concepts and skills taught in the basic courses of the Environmental Science emphasis. Credits: 1 cr.

GEG 4496 - INTERNSHIP

Offers practical work experience and the opportunity to apply and further develop skills taught in the Geography and Geology Department. All Internships will be graded S or U - they do not affect your GPA. Prerequisites & Notes: Permission of instructor. Credits: 6-12 crs. Notes: May be taken for 6 through 12 credits.

GEG 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

GEG 4500 - SENIOR SEMINAR

A capstone course for Geography majors. A research project and job search, to include compiling a vita and writing a cover letter for an actual job, are integral parts of the course. Credits: 1 cr.

GEL 1102 - ENVIRONMENTAL GEOLOGY

The relationship of man to his environment will be examined with particular emphasis to problems of natural hazards (earthquakes, flooding, landslides), construction, ground water management, resources, utilization, impact mitigation and geological planning. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Natural Sciences

GEL 1121 - PHYSICAL GEOLOGY

A study of the solid portion of the earth, the materials of which it is composed and the processes which are acting on it. Included are such topics as rocks and minerals, weathering, and geologic structure. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

GEL 1121L - PHYSICAL GEOLOGY LAB

Physical Geology lab. Credits: 0 cr. GenEd Req: Natural Science

GEL 3290 - MAP AND AIR PHOTO INTERPRETATION

Studies the interpretation of maps and aerial photographs. Topics include: location systems, scale, portrayal of relief, introductory surveying techniques, photogrammetry, interpretation principles, and specific applications. Credits: 4 cr.

GEL 3310 - HYDROLOGY

Hydrology is the study of water in the geological environment. The emphasis of this course is on the occurrence, movement, quality and quantity of surface and groundwater. Students will solve problems using math, maps and software. Prerequisites & Notes: Co-requisite: GEL 3310L - Hydrology Lab Credits: 4 cr.

GEL 3310L - HYDROLOGY LAB

This is a field-based lab that investigates surface and ground water. Students will make observations, collect data and solve problems related to stream discharge, ground water monitoring and water chemistry. Prerequisites & Notes: Co-requisite: GEL 3310. Credits: 0 cr.

GEL 3321 - GEOMORPHOLOGY

Studies how landforms develop and change. Surveys the major landform regions and national parks of the United States. Interpretation of aerial photographs is an integral part of the course. Prerequisites & Notes: GEG 1111 or GEL 1121 or permission of instructor. Credits: 3 cr.

GEL 3322 - HISTORICAL GEOLOGY

A study of earth history that includes introductory through advanced topics related to geologic time, stratigraphy, paleontology, plate tectonics, and structural geology. Students will apply their new knowledge to solve a number of field, computer, and classroom-based problems. A special emphasis will be placed upon the application of historical geology to mineral resource and geologic hazard assessments. Prerequisites & Notes: GEL 1121. Credits: 3 cr.

GEL 3362 - MINERALOGY/PETROLOGY

A study of rocks and minerals that includes: their chemical and physical properties, how they are identified, where they occur, how they form, and their importance to society. Students will be actively involved with specimen identification, worldwide web activities, and presentation assignments. Prerequisites & Notes: GEL 1121. Credits: 3 cr.

GEL 3400 - OIL & GAS GEOLOGY

A study of oil and natural gas resources focused on resource formation, occurrence, exploration and production methods, and regional prospects for oil and natural gas development. Students will be actively involved in map interpretation and written presentation of data. Prerequisites & Notes: GEL 1121 and GEL 1121L or permission of instructor Credits: 3 cr.

GEL 3500 - GEL MAPPING/ANALYSIS

This course covers many of the basic techniques that are used in the collection, analysis and presentation of geologic field data. The course encompasses elements of structural geology, sedimentology, stratigraphy, and geophysics in an applied context. A large portion of the course content is presented through field and map-based exercises including a weekend mapping project. Prerequisites & Notes: GEL-1121 and GEL-1121L. Credits: 3 cr. GenEd Req: Informational Literacy

GEL 4420 - (GEG) - REMOTE SENSING

Examines color and color infrared aerial photography as well as Landsat, SPOT, Thermal and Radar imagery. Computer processing of Landsat data is an integral part of the course. Prerequisites & Notes: GEG 3340 recommended. Credits: 3 cr.

GEL 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

GER 1101 - INTRODUCTORY GERMAN I

For beginning students and those with less than two years of high school German who wish to review their knowledge starting from the very beginning. Students will learn the most basic communicative skills and will be able to greet people, give personal information, and otherwise form simple sentences and

ask questions. Skills are all taught from a cultural emphasis and include pronunciation and speaking, listening comprehension, reading, writing proper structures. Online language laboratory and other exercises are required weekly. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

GER 1102 - INTRODUCTORY GERMAN II

Continuation of 1101. This course is appropriate for students who have had 1 or 2 years of high school German. Students will strengthen skills in all areas and should be able to survive in a German-speaking environment at a minimum level by the end of the course. Online language laboratory and other exercises are required weekly. Prerequisites & Notes: GER 1101 or equivalent. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

GER 2201 - INTERMEDIATE GERMAN I

A review and expansion of topics involving cultural competence and the structure of the German language with additional emphasis on listening comprehension, speaking, reading, and writing. Particular attention is given to vocabulary development. Online language laboratory and other exercises are required. The course is appropriate for those with 2-3 years of high school German or equivalent. Prerequisites & Notes: GER 1102 or equivalent. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

GER 2202 - INTERMEDIATE GERMAN II

Increased emphasis on the development of language skills, using materials taken from current events and cultural and literary selections. Online language laboratory and other exercises are required. The course is appropriate for those with 3-4 years of high school German. Prerequisites & Notes: GER 2201 or equivalent. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

GER 2205 - PHONETICS AND PRONUNCIATION

A study of the speech organs and of the place and manner of articulation of German phonemes and their phonetic realizations, along with extensive practice exercises on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to major German dialect groups. Prerequisites & Notes: GER 1102 or equivalent; GER 2201 or higher preferred. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3300 - CONVERSATIONAL GERMAN

Intensive oral practice in German for the development of a higher degree of fluency in the spoken language. Emphasis on topics of cultural, social, economic, and political nature. Prerequisites & Notes: GER 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3305 - ADVANCED GERMAN CONVERSATION

Intensive development of oral expression for students desiring a higher level of oral fluency. Emphasis is on enabling the student to carry on discussion in more detail and giving oral reports. Prerequisites & Notes: GER 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3320 - ADVANCED GERMAN STRUCTURE

Study and practical application of the German structural patterns with concentration on the morphology and syntax of the language. Prerequisites & Notes: GER 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3330 - INTRODUCTION TO GERMAN LITERATURE

This course will examine both the main literary movements from the 19th century to the present as well as the major authors representing them. Students will read selections from many of these authors' works and discuss them in their historical context. The course also aims to familiarize students with methods of literary analysis. Prerequisites & Notes: GER 2202 or equivalent. One previous GER 3000 level course recommended. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3335 - DEUTSCHE LANDESKUNDE

Students will become acquainted with the political, educational, and economic makeup of modern Germany, including special problems of the German reunification. Contemporary German culture will also be examined in its context within society as a whole. In addition, practical aspects of everyday German life (public transportation, mail system, social behavior, etc.) are covered. Prerequisites & Notes: GER 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3336 - PROSEMINAR: LAENDER UND STAEDTE

Emphasis is on the cultural, economic, and social significance of each major geographical region along with main cities and tourist destinations in each. Students will also prepare individual presentations on an area that interests them. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3337 - PROSEMINAR: TWENTIETH CENTURY GERMAN LITERATURE

Major literary movements along with works or selections of works by representative authors will be the focus of this course. Techniques and terminology of literary analysis will be covered. Students will prepare a research project on a particular author, genre, or movement. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3360 - SEMINAR: GERMAN CULTURAL HISTORY

Survey of the cultural development of the German-speaking areas from the tribal migration period through the recent reunification. Emphasis is on literary, architectural, musical, scientific, and artistic achievements of each period and how these interact. Students will prepare several brief presentations and an in-depth project. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 3363 - SEMINAR: THE GERMAN NOVELLE

This is a genre-study course that concentrates on the Novelle (longer short story or novelette) as it developed in the German-speaking countries. Authors studied are from the 19th and early

20th centuries, covering romanticism to realism. Credits: 3 cr.
GenEd Req: Global Awareness, Language and Literature

GER 3370 - FOREIGN STUDY - CREDIT ARRANGED

“Strongly recommended for all German majors - especially those in the BSE program or who plan to pursue graduate work, but open to students of any major who wish to live and study in Germany.” The number of credits granted is based upon validated credentials presented to the department. Plans for foreign study should be submitted at least one semester prior to departure. Regulations regarding study abroad are available in the Office of the Provost/Vice President for Academic Affairs. Credits: 1 - 3 cr.
GenEd Req: Global Awareness, Language and Literature

GER 3371 - FOREIGN STUDY - CREDIT ARRANGED

See GER 3370 for course description. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

GER 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time. GenEd Req: Global Awareness, Language and Literature

GRA 1101 - INTRODUCTION TO GRAPHIC DESIGN

This course offers a survey of the tools that graphic designers use in both print and motion graphics. The goals of this course are to provide instruction on current trends in graphic design\ and experience in hands-on utilization of tools appropriate to the discipline. Credits: 3 cr.

GRA 1102 - HST OF GRAPHIC DESIGN

This course offers a survey of the development of the field of graphic design from its beginnings to current practices in both print and electronic form. The goals of this course are to provide instruction and experience in: historical development of the field of graphic design; visual identity. Credits: 3 cr.

GRA 2201 - COMPUTER GRAPHICS I

This introductory course is designed to offer instruction on the basic concepts and terminology of the application of 2-D and basic 3-D computer graphics in visual communication. Concentration is on visualization, design and digital techniques. Prerequisites & Notes: GRA 1101. Credits: 3 cr.

GRA 2202 - INTRODUCTION TO GRAPHIC DESIGN

This course introduces students to the theory and process of graphic design, including the study of image, typography, grid structure, color, visual perception, language, and hierarchy of information. Conceptual and applied problem-solving projects will develop an understanding of the media, techniques, and processes used within the discipline of graphic design. Prerequisites & Notes: ART 2240, ART 2248, ART 2200 and ART 2244. Credits: 3 cr.

GRA 2203 - HISTORY OF GRAPHIC DESIGN

This course offers a survey of the development of the field of graphic design, from its inception to current practices. The goal of this course is to provide a comprehensive view of graphic design as it has been inherently woven into our lives through industry, religion, history, economy, and culture. Credits: 3 cr.

GRA 3302 - INTERACTIVE DESIGN

A comprehensive survey of the history, theory, media and techniques used within interactive design. Students receive an introductory approach to basic concepts, terminology, design, and software applicable to animation and motion graphics. Prerequisites & Notes: GRA 2202. Credits: 3 cr.

GRA 3350 - TYPOGRAPHY

This course focuses on fundamental typographic structure within graphic design, including meaning, hierarchy, context and theme, grid structure, image-type relationships, interaction, and typographic history and expression. Prerequisites & Notes: GRA 2202. Credits: 3 cr.

GRA 4402 - ADVANCED INTERACTIVE DESIGN

An in-depth study of the history, theory, media and techniques used within interactive design. Students investigate complex concepts, terminology, design, and as software, applicable to animation and motion graphics, in concert with projects that are specific to personal area of interest. Prerequisites & Notes: GRA 3302. Credits: 3 cr.

GRA 4403 - SENIOR SEMINAR PROJECT

Senior Seminar Project focuses on advanced theory and application in preparation for professional practice. Students will define and develop content for projects, including research and critical analysis. This course will provide the opportunity for students to identify personal and professional goals, including the development of their resume, portfolio, and final exhibition or presentation of work. Prerequisites & Notes: Take 90-105 credits by semester preceding Senior Seminar project; including 33 core major credits; have a 2.75 overall GPA; and approval of seminar proposal by department at the time of application. Credits: 3 cr.

GRA 4404 - BRANDING AND IDENTITY

This course will focus on the history, methodology, and application of brand strategy, as well as visual and verbal brand development, and the role of design in creating brand essence, distinction, and identity. Through conceptual and applied projects, the components of successful, integrated brands will be explored. The course will culminate with the creation of an identity program that include name development, nomenclature systems, visual imagery and verbal language that reflects the essence and message of the brand. Prerequisites & Notes: GRA 2202 and GRA 3350. Credits: 3 cr.

GRA 4405 - GRAPHIC DESIGN PRACTICUM

This course would provide an opportunity, through an experience-based project, for students to act and reflect upon their role as graphic designers and visual communicators within a community. The student will take part in a supervised and evaluated experience in varied settings. Prerequisites & Notes: Earned 90 credits by the semester preceding the practicum; including all 33 core major credits; have a 2.75 overall GPA; and approval of practicum proposal by department at the time of application. Credits: 1 - 5 cr.

GRA 4410 - GRAPHIC DESIGN INTERNSHIP

This course is designed to offer students practical understanding of graphic design techniques in the workplace environment. The student will take part in a supervised and evaluated experience in varied settings. Prerequisites & Notes: Earned 90 credits by the semester preceding the internship, including all 33 core major

credits; have a 2.75 overall GPA; and approval on internship proposal, by Department at the time of application. Credits: 6 - 15 cr.

GRA 4450 - ADVANCED TYPOGRAPHY

This course focuses on advanced-level use of typography within graphic design, with specific focus on experimental techniques, semiotics, hierarchy, context and theme, and complex interactions within a form. Prerequisites & Notes: GRA 3350. Credits: 3 cr.

HON 1107 - MACRO PHYSICAL SCIENCE

An introduction to motion and energy, astronomy thermodynamics, and sound. Students will construct laboratory apparatus from readily available sources to make measurements. Regularly cross-listed with SCI 1107. Credits: 3 cr. GenEd Req: Natural Sciences

HON 1108 - MICROPHYSICAL SCIENCE

An introduction to the atom, chemistry, electricity and magnetism, and light. Students will construct laboratory apparatus from readily available sources to make physical measurements. Regularly cross-listed with SCI 1108. Honors Students take only one Honors science course, either HON 1107 or HON 1108. Credits: 3 cr. GenEd Req: Natural Sciences

HON 1111 - HUMANITIES HONORS I

Introduction to the humanities by means of an interdisciplinary content drawn from literature, philosophy, theater, music, art and history. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities

HON 1112 - HUMANITIES HONORS II

Continuation of HON 1111. HON 1112 may be taken prior to HON 1111 if necessary. Credits: 3 cr. GenEd Req: Humanities

HON 2200 - RESEARCHING CONTEMPORARY ISSUES

This course focuses on a series of case studies drawn from recent events of local, national and international importance with an emphasis on interdisciplinary research methods. Credits: 3 cr.

HON 4495 - HONORS SENIOR PROJECT SEMINAR

To be taken in conjunction with (or the semester before, if necessary) the Honors Senior Project (HON 4497) to assist students in effectively presenting the findings of their projects. Students will create project outlines, study citation methods, improve their presentation skills, and receive feedback from their classmates and their instructor. Specific attention will be paid to creating engaging and interactive presentations and examining various off-campus and non-traditional venues in which to present student findings. Credits: 1 cr.

HON 4497 - SENIOR RESEARCH PRESENTATION

A semester-long project, related to the student's major, that involves the perspective of at least two academic disciplines. The project is supervised by a faculty member of the student's choosing and approved by the Honors Program Director. A formal presentation before the campus community concludes the Honors Program. Credits: 3 cr. GenEd Req: Information Literacy

HPE 1102 - BEGINNING BOWLING

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1106 - BEGINNING ARCHERY

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1108 - BEGINNING RACQUETS

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1110 - BEGINNING GOLF

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1115 - CONDITION AND BODY AWARENESS

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1117 - BADMINTON AND RACQUETBALL

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1118 - RACQUETBALL

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1122 - CONDITION AND WEIGHT TRAINING

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1128 - AEROBIC CONDITIONING

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1129 - ARCHERY

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1131 - WALK LIFE FITNESS

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1135 - TENNIS AND RACQUETS

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in

lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1140 - RACQUETS

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1146 - INTERMEDIATE BOWLING

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities. Credits: 1 cr. GenEd Req: Wellness

HPE 1165 - HIKING

Designed to cover the broad scope of activities concerned with hiking, compass use and orienting. Emphasis will be placed upon safety, equipment, and traversing various trails in Tioga County. Participation in weekend sessions is required. Credits: 1 cr. GenEd Req: Wellness

HPE 1168 - BLS FOR HLTH CARE PROVIDERS

This course is designed to teach the skills of CPR for victims of all ages (including ventilation with a barrier device, bag-mask device, and oxygen), use of automated external defibrillator (AED), and relief of foreign-body airway obstruction (FBAO), as prescribed by the American Heart Association. It is intended for students who, by nature of their professions, provide health care to patients and victims in a wide variety of situations, including in-hospital and out-of-hospital settings. The course is also designed for anyone required to take a healthcare/professional rescuer course for future employment. This course is a prerequisite for those seeking future certification in ACLS and PALS. Credits: 1 cr. GenEd Req: Wellness

HPE 1200 - PERSONAL and COMMUNITY HEALTH

Includes health services, health instruction, and health environment dealing with contemporary principles, practices, and concepts serving personal, family, and community health. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Wellness

HPE 3315 - ATHLETIC TRAINING

Designed to provide experience in the application of various methods of treatment to athletic injuries. A study of preventive measures and medical management of athletic injuries. Credits: 3 cr.

HPE 3340 - FIRST AID and CPR

Theory, scientific basis, and methods are used in the application of first aid and CPR skills. This course will stress BLS-CPR (professional rescuer) and use of and A.E.D. for situations within 1 hour of definitive health care. The student will receive certifications in Adult, Child, and Infant CPR, Adult and Pediatric First Aid, and Adult and Child AED through the American Heart Association. Credits: 3 cr. GenEd Req: Wellness

HPE 3345 - WILDERNESS FIRST AID / CPR

Wilderness First Aid and CPR is designed to meet the needs of all students who participate in activities in remote areas (more than 1

hour from definitive medical care). Emphasis is placed on victim assessment and care, emergency action and extrication, CPR, and transportation. Credits: 3 cr. GenEd Req: Wellness

HPE 3360 - KINESIOLOGY

Analysis of human motion based on anatomical and mechanical principles. Applications of mechanics to sports activity. Prerequisites & Notes: BSC 1121. Credits: 3 cr.

HPE 3370 - PHYSIOLOGY OF EXERCISE

Critical analysis of physiological bases of muscular activity with special attention to general effects of exercise on body function. Prerequisites & Notes: BSC 1122 and HPE 3360. Credits: 3 cr.

HPE 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

HST 1111 - WORLD CIVILIZATION TO 1350

A survey of significant ideas, events, and cultural developments from the emergence of ancient Civilizations to 1350. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Humanities

HST 1112 - WORLD CIVILIZATION 1350-1900

A continuation of HST 1111, beginning with the Renaissance to the close of the nineteenth century, including the political, economic, and social developments that affected the world. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Humanities

HST 1113 - WORLD HISTORY SINCE 1900

A survey of the cultural, political, economic, and social forces that have shaped world history since 1900, with particular emphasis on global historical trends. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Humanities

HST 2201 - UNITED STATES HISTORY TO 1877

A survey of American history covering pre-European contact through colonization, independence, and the formation of the new republic; nationalism, sectionalism, and the growth of democracy in the 19th century; and the Civil War and Reconstruction. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities

HST 2202 - UNITED STATES HISTORY SINCE 1877

A continuation of 2201, covering significant trends and events in the rise of modern industrial America, its emergence as a world power and events into the 21st century. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities

HST 2210 - AMERICAN WOMEN'S HISTORY

Explores the cultural, social, racial, and political forces that have shaped the experiences of women throughout American history. Credits: 3 cr. GenEd Req: Approaches to Knowledge –

Humanities, Humanities

HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION

A survey history of Non-Western societies that explores the cultural and political developments of countries in Asia and Africa. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Humanities

HST 2220 - WORLD WAR II

The origin, background, and course of World War II and its effects upon world affairs. Deals with battles and the scientific, psychological, political, and economic impact of the war. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Humanities

HST 2226 - FILM AS HISTORY

Explores how the cinema, the 20th century's most important mass medium, has portrayed and presented history on the screen. We view various feature films with historical topics and then analyze how these films present history to their audiences. We look into not only questions of visual representation, but also the problem of factual accuracy. Credits: 3 cr. GenEd Req: Humanities, Information Literacy

HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY

Topics include: evolution of major sports, influence of organization and technology, critics of sports, racism, role of women and labor relations within sports, sports in the school, various sports heroes, and sports and culture. Credits: 3 cr. GenEd Req: Humanities

HST 3266 - HISTORY OF BASEBALL

This course will examine the history of baseball from its origins during the colonial period into the 21st century. Particular attention will be paid to the relationship between baseball and American culture, including the sport's ethnic and working class roots, the changing nature of leisure and recreation, business consolidation, gender and race relations, labor-management conflict, and the importance of the community in everyday society. Offered online during summer sessions. Prerequisites & Notes: One history course or permission of instructor. Credits: 3 cr. GenEd Req: Humanities, Information Literacy

HST 3271 - AMERICAN REVOLUTION ON FILM

This course will focus upon film portrayals of the American Revolution from the early twentieth century to the present. Feature films and television movies will be used to examine the historical accuracy of these media as they interpret American history from the 1760s into the 1780s. Offered online during summer sessions. Prerequisites & Notes: ENG 1112 or permission of instructor. Credits: 3 cr. GenEd Req: Humanities and Information Literacy

HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA

Historical study of the peoples of South and Southeast Asian countries from ancient to the present. Also covers the indigenous religions of the region. Includes the Indian subcontinent and SE Asian countries such as Indonesia, Malaysia, Singapore, Thailand, Cambodia, and Vietnam. Credits: 3 cr. Dual Listed/Cross Listed: ANH 3333. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Information Literacy

HST 3290 - HISTORICAL METHODS

Introduces the student to the discipline, methods, and techniques of historical research and writing. Examines the major interpretations of history. Credits: 3 cr. GenEd Req: Information Literacy

HST 3294 - TOPICS IN AMERICAN HISTORY

A special area of American history that is of current interest. Credits: 3 cr. GenEd Req: Humanities, Information Literacy

HST 3295 - TOPICS IN GLOBAL HISTORY

A special area of world history that is of current interest. Credits: 3 cr. GenEd Req: Global Awareness, Humanities, Information Literacy

HST 3296 - TOPICS IN EUROPEAN HISTORY

A special area of European history that is of current interest. Credits: 3 cr. Dual Listed/Cross Listed: ANH 3296. GenEd Req: Global Awareness, Humanities, Information Literacy

HST 3301 - HISTORY OF COLONIAL AMERICA TO 1763

A study of the colonial foundations of the American heritage from the earliest beginnings to the reorganization of the British imperial administration in the 1760's. Prerequisites & Notes: HST 2201 or permission of instructor. Credits: 3 cr. GenEd Req: Humanities and Information Literacy

HST 3302 - HISTORY OF THE EARLY REPUBLIC 1789 - 1848

This course will provide a basis for understanding the development and expansion of the new nation. Topics covered will include the rise of democracy, economic and social development, territorial expansion, and foreign affairs. Prerequisites & Notes: HST 2201 or permission of instructor. Credits: 3 cr. GenEd Req: Humanities

HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789

The primary purpose of this course is to explore the history of the American Revolution from the end of the French & Indian War in 1763 through the ratification of the United States constitution in 1788. Particular attention will be paid to the social, economic, and political aspects of the conflict. Prerequisites & Notes: HST 2201 or permission of instructor. Credits: 3 cr. GenEd Req: Humanities, Information Literacy

HST 3307 - CONTEMPORARY AMERICA

Explores the social, cultural, and economic changes of America since World War II. Examines the rise of suburbia, civil rights, counterculture, and development of the post-industrial economy. Prerequisites & Notes: One history course or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945

Study of the growth of big businesses and influential figures of corporate America. Also addresses the political and social implications on American society. Prerequisites & Notes: One history course or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

HST 3313 - WOMEN IN EUROPEAN HISTORY

Explores the experiences of women in Europe from the fall of Rome to the present. Particular emphasis is placed on the changing legal and social status of women throughout the period.

Credits: 3 cr. GenEd Req: Global Awareness

HST 3316 - TEACHING SECONDARY SOCIAL STUDIES

This course provides a thorough background in the methods and materials for the teaching of social studies. Emphasis is placed on self-directed inquiry that focuses on identifying issues, problems, and contexts and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement practice strategies in a classroom setting. Prerequisites & Notes: ED 1102 or ED 1110 and must be a teacher education candidate. Credits: 3 cr.

HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT

Study of the American landscape and its inhabitants. Role of technology in American society and its impact on the environment. Environmental thought and issues on the changing landscape. Implications of population growth, technology, industries, and development on the American economy and society. Prerequisites & Notes: Prerequisite: One history course or approval of instructor. Credits: 3 cr. GenEd Req: Information Literacy

HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS

This course explores one of the darkest periods in history, the witch hunts which occurred in Europe and Salem in the early modern period. The course focuses on the intellectual, economic, and social forces which allowed people to believe in witches and to accuse their family members and neighbors of witchcraft. The course also addresses issues of gender and their impact on the witch hunts both in Europe and Salem. Credits: 3 cr. GenEd Req: Global Awareness, Humanities, Information Literacy

HST 3326 - HISTORY OF WOMEN AND TELEVISION

Through a study of both former and present television program, this course explores the changing roles of American women. We will consider how television both reflects and influences the culture understanding of gender in our society. The course will include discussions from a historical perspective on the impact of women in the workplace, the women's movement and its backlash. The importance of these events and their reflection in television programs throughout the television age will be discussed. Credits: 3 cr. GenEd Req: Information Literacy

HST 3330 - ROME: FROM REPUBLIC TO EMPIRE

Traces the history of Rome from the founding of the Roman Republic in the 5th century B.C. to the fall of the Western Roman Empire in 476 A.D. Particular emphasis is placed on cultural and political trends during the late Republic and early Empire. Prerequisites & Notes: Prerequisite: One history course or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA

Surveys the impact of the development of religious movements, institutions, ideas, practices and values on US and Canadian cultures, politics and society. Credits: 3 cr. GenEd Req: Information Literacy

HST 3345 - MIDDLE AGES: LIFE AND STYLE

The political, socioeconomic, and cultural development of the civilization of Medieval Europe from the fall of Rome to the Medieval synthesis in the High Middle Ages. Prerequisites & Notes: Prerequisite: One history course or permission of

instructor. Credits: 3 cr. GenEd Req: Global Awareness

HST 3350 - INTRODUCTION TO PUBLIC HISTORY

An introduction to selected areas of the public history field for those students who would like to know more about career and employment opportunities outside of teaching. Topics include museums, archives, historic site interpretation, historic preservation, and historical societies. Credits: 3 cr. GenEd Req: Information Literacy

HST 3357 - HISTORY OF ENGLAND

A survey of the social, political, economic, and constitutional themes that have shaped the history of England. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 3361 - EARLY MODERN EUROPE

Political, social, economic, and cultural forces involved in the transition from medieval Western society with attention to the rise of national states and the growth of individualism. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 3366 - TWENTIETH CENTURY EUROPE

A study of the political, economic, cultural, and international developments in Europe during the twentieth century. Particular attention is given to the two World Wars and their causes, the rise of mass culture, the cold war, and the revolutions of 1989. Prerequisites & Notes: Prerequisite: One history course or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 3377 - HISTORY OF LATIN AMERICA

A survey of Mexico, Central America, South America, and the Caribbean from Pre-Columbian Indian Civilizations to the 20th century. Emphasis is placed on the factors that have affected the region's social, economic, and political development. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 3387 - HISTORY OF EAST ASIA

Traditional cultures and institutions of China and Japan and their roles in Korea and Southeast Asia; the role of Western powers in China's development; post-war changes; United States foreign policy in relation to the Far East; and the emergence of Communist China and Modern Japan are discussed. Prerequisites & Notes: Prerequisite: One history course or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 3388 - HISTORY OF AFRICA

Surveys the history of Africa from Paleolithic times to the presents, with particular emphasis on broad regional trends and the formation of African states after 1800. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 3395 - THE COLD WAR

This course covers the period of the Cold War, from its origins late in the Second World War to its end with the revolutions of 1989 and the demise of the Soviet Union in December, 1991. We will especially look at the major events, international relations, and cultural impact of the Cold War. Prerequisites & Notes: One HST course. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 4401 - HISTORY OF PENNSYLVANIA

The founding and development of Pennsylvania, emphasizing the social, political, and economic characteristics of the

Commonwealth; the diversity of its people. This course will count as a capstone course for the History major. Prerequisites & Notes: Prerequisites: Completion of 45 credits Credits: 3 cr. GenEd Req: Humanities, Information Literacy

HST 4406 - THE WESTWARD MOVEMENT IN AMERICA

Settlement of the geographic areas and the influence of westward expansions on the political, social and economic development of the American people. Includes the trans-Mississippi West and role of the Plains Indian in American history. Prerequisites & Notes: One HST course or permission of instructor. Credits: 3 cr.

HST 4415 - MODERN AMERICAN DIPLOMACY

Explores American diplomacy from the Spanish American War through recent events. Included are the techniques, purposes, and problems of diplomacy. Credits: 3 cr.

HST 4420 - NAZI GERMANY AND THE HOLOCAUST

Explores the political, cultural, economic, and social history of National Socialism, from Hitler's rise to political prominence in the 1920's to the demise of the Third Reich in May, 1945. Particular attention is paid to the genesis of the Nazi Holocaust and its historical repercussions. Prerequisites & Notes: One HST course or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 4431 - HISTORY OF CONSUMER CULTURE IN AMERICA

Rise of contemporary consumption and its impact on American society since late 19th century. Historiography of consumer thought, materialism, and social excesses. Credits: 3 cr. GenEd Req: Information Literacy

HST 4450 - INTERNSHIP

Provides pre-professional skills. Museum and archival work are examples of areas in which students can bring together academic training and practical experience. Prerequisites & Notes: Prerequisite: permission of department chairperson, sponsoring instructor, and an agency. Credits: 3 - 12 cr. Notes: May be taken for 3 through 12 credits.

HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID

Explores the history of South Africa, from its founding as a Dutch Colony in 1652 to the collapse of the Apartheid system in the 1990s and the election of Nelson Mandela as president of a multiethnic nation. Particular emphasis is placed on the history of racial segregation and the development of Apartheid. Prerequisites & Notes: Prerequisite: One history course. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN

A survey of Mexico and the Caribbean basin from the rise of native civilizations to the revolutions of the 20th century and their aftermath. Studies the interaction of various racial groups, the formation of distinct national identities, and class conflict. Credits: 3 cr. Dual Listed/Cross Listed: ANH 4471. GenEd Req: Global Awareness, Information Literacy

HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD

Study of the cultures and traditions of China, Japan, Korea, and Southeast Asian countries with special focus on the Newly

Industrialized Countries and their participation in the global economy. Credits: 3 cr. GenEd Req: Global Awareness

HST 4496 - SENIOR SEMINAR

In-depth knowledge of historical methodology and research. Significant historical problems are selected for oral discussion. Topics will vary. This course will count as a capstone course for the History major. Prerequisites & Notes: HST 3290 or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

HST 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

JN 1100 - JOURNALISM

Introduces the nature and practice of newsgathering, reporting, writing, editing, and professionalism. Students acquire basic skills by covering textbook examples and off-campus breaking stories. Credits: 3 cr.

JN 2200 - CRISIS NEWS ANALYSIS

Critically examines roles, functions, and performance of the media during crises. Addresses the nature of crisis reporting of war, disaster, and the global environment. Prerequisites & Notes: JN 1100 or permission of instructor. Credits: 3 cr.

JN 2210 - MEDIA DESIGN

Presents communication/design concepts, applications and production methods, including computer desktop publishing. Lessons focus on design principles, typography, printing processes, copywriting, budget/production planning, and mechanical production for various printed materials. Credits: 3 cr.

JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING

Develops the journalism craft beyond routine coverage practices. Field assignments and classroom workshops offer practical experience in non-fiction depth/feature writing styles, interviewing techniques, and story marketing. Prerequisites & Notes: JN 1100. Credits: 3 cr.

JN 3320 - MAGAZINE WRITING AND PRODUCTION

Explores advanced non-fiction feature article writing and literary journalism, with an emphasis on magazine writing, design, and production. Students create the annual edition of Crossroads magazine published in May since 1990. Prerequisites & Notes: JN 1100, JN 3310 or permission of instructor. Credits: 3 cr.

JN 3330 - CONTEMPORARY ISSUES IN JOURNALISM

Engages students in issues, problems, and criticism concerning the mass media. Material covers media ethics; First Amendment and libel concerns; group media ownership; and public perception of the media. Prerequisites & Notes: JN 1100 or permission of instructor. Credits: 3 cr.

JN 3340 - ONLINE JOURNALISM

The class will include information on such emerging media themes as the ethical and legal implications of publishing online in a 24/7 environment; the characteristics that distinguish news Web sites and their stories from their print and broadcast counterparts; guidelines for doing research on the Internet; and the impact of

blogs, wikis and other citizen journalism on mainstream media. Prerequisites & Notes: JN 1100 and CIS 3303 or permission of instructor. Credits: 3 cr.

LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES

Provides students with an in-depth understanding of leadership studies and examines applications of leadership principles to the college environment as well as other settings in the community. Students participate in a campus or community setting where they can study and apply these principles. Serves as an entry into the Minor in Leadership Studies. Credits: 3 GenEd Req: Unity and Diversity of Humanity – Themes - Ethics and Civic Responsibility, Social Sciences

LDR 4425 - LEADERSHIP CAPSTONE

A leadership seminar and practicum that provides a capstone to the Minor in Leadership Studies. Students will synthesize and integrate their interdisciplinary studies of leadership, complete self-assessments on their leadership abilities, complete a leadership portfolio with a focus on their future development as leaders, and initiate and complete an applied leadership project in the campus or community environment. Prerequisites & Notes: LDR 3325 and 15 earned credits in the Leadership Studies minor. Credits: 3 cr.

LS 4450 - LIBERAL STUDIES INTEGRATIVE INTERNSHIP

This “capstone type” course, is a field-based experience, integrating a student’s General Education course work with course work in their minor or minors. It is intended for students who are not permitted an internship in their minor, but who would benefit from an opportunity to expand their university experience by participating in a supervised, pre-professional work placement. Prerequisites & Notes: All course work completed in minor/s and within 18 credit hours of graduation. Departmental approval based on student readiness and appropriateness of proposed placement. Credits: 6 cr.

MA 0090 - BASIC ALGEBRA

Introduction to basic algebra. Topics include real numbers, linear equations, formulas, exponents, polynomials, factoring, rational expressions and equations, graphing, systems of equations, radicals, word problems, and applications. **Does NOT count toward General Education or total credits needed for graduation.** Credits: 3 cr.

MA 1115 - SURVEY OF MATHEMATICAL IDEAS

A liberal arts course designed to acquaint the student with the nature and scope of modern mathematics. Emphasis is on concepts and understanding rather than the acquisition of technique. Topics included are suitable for the non-science liberal arts student. No extensive background in algebra is required. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Mathematics, Mathematics

MA 1117 - MATHEMATICS AND CULTURE

An investigation of the origins, nature, and purposes of mathematics and its importance in the larger culture. Working within the historical framework, the student is introduced to significant mathematical concepts including the axiomatic method, symbolic logic, and the structure of number systems and their relations to one another. The motivation for, development of, and basic procedures of various branches of mathematics (including trigonometry, analytic geometry, calculus, probability

and statistics, and Euclidean and non-Euclidean geometry) are investigated. In the process, students will frequently be involved in discussions of the closely related fields of history, science, and philosophy. Credits: 3 cr. GenEd Req: Mathematics

MA 1119 - FUNDAMENTALS OF MATHEMATICAL REASONING

This course will center on quantitative reasoning skills. Areas of focus include deductive and inductive reasoning, critical thinking, numerical and geometrical reasoning, developing number sense, decision making under uncertainty, and mathematical communication skills. These skills will be presented and developed within the context of classical and everyday mathematical applications. Credits: 3 cr. GenEd Req: Mathematics

MA 1125 - INTRODUCTORY STATISTICS

A survey of basic statistical methods for analyzing data. Topics include descriptive statistics, probability, sampling, point and interval estimation, hypothesis tests, linear regression, correlation, and non-parametric tests. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Mathematics, Mathematics

MA 1126 - INFERENCE STATISTICS and PROBABILITY

This is an introductory level statistics class with a primary focus on probability, inferential statistics, and regression analysis. Inferential statistics topics include confidence intervals and hypothesis tests for regression parameters, goodness of fit tests, ANOVA, and non-parametric tests. Credits: 3 cr. GenEd Req: Mathematics

MA 1128 - COLLEGE ALGEBRA

Review of ideas in basic algebra, graphs, equations, inequalities, and a strong emphasis on functions (general, polynomial, rational, exponential and logarithmic). Credits: 3 cr. GenEd Req: Approaches to Knowledge – Mathematics, Mathematics

MA 1129 - FINITE MATHEMATICS

An initial treatment of those topics in basic mathematics that are of special importance in business and the social sciences. Topics included are logic, sets and counting techniques, probability, mathematical models, linear equations and inequalities, introduction of linear programming, and matrices, also Markov Chains and Game Theory. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Mathematics, Mathematics

MA 1165 - PRE-CALCULUS MATHEMATICS

Intended to prepare students for the study of calculus. Topics include functions, graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions and analytic trigonometry. Prerequisites & Notes: MA 1128 or equivalent. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Mathematics, Mathematics

MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS

The fundamental concepts of calculus is for non-physical science majors utilizing the basic techniques of differential and integral calculus. Not available to students who have completed MA 2231. Prerequisites & Notes: MA 1128 or equivalent. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Mathematics, Mathematics

MA 2203 - MATH FOR ELEMENTARY & SPECIAL

EDUCATION

A study of the basic ideas and structure in modern arithmetic, algebra, and geometry. Credits: 3 cr. GenEd Req: Mathematics

MA 2231 - CALCULUS I

The purpose of this course is to develop a good understanding of limit, continuity, the derivative and its uses (including modeling and solving problems), to introduce the definite integral, and to establish the important relationship between the derivative and the definite integral. In this context the course will examine different classes of functions numerically, symbolically, and graphically. This course is intended for mathematics, science, and engineering majors. (Addresses NCTM Standards 1 .5.8 and 1 .5.10 for Mathematics Education majors.) Prerequisites & Notes: MA 1165 or high school algebra and trigonometry. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Mathematics, Mathematics

MA 2232 - CALCULUS II

This is a continuation of MA 2231 and is intended to develop a good understanding of the definite integral and its uses including calculating area and applying numerical computation and estimation techniques, and to develop basic integration techniques. Differential equations, Taylor polynomials, series, exponential functions, logarithmic functions, and polar coordinates, and analytic geometry are also covered. (Addresses NCTM Standards 1 .5.2, 1 .5.3, 1 .5.8, and 1 .5.10 for Mathematics Education majors.) Prerequisites & Notes: MA 2231 or equivalent. Credits: 4 cr. GenEd Req: Mathematics

MA 2233 - CALCULUS III

This is a continuation of MA 2232, and the purpose of this course is to investigate functions of two or more variables. Topics include graphing functions of two or more variables, partial derivatives, vectors, optimization, double and triple integrals, line and surface integrals, and calculating volumes. (Addresses NCTM Standards 1 .5.3 and 1 .5.10 for Mathematics Education majors.) Prerequisites & Notes: MA 2232 or equivalent. Credits: 4 cr. GenEd Req: Mathematics

MA 3260 - DISCRETE STRUCTURES

Foundations of mathematics emphasizing fundamental concepts in abstract mathematics and deductive reasoning. Topics include logic, mathematical induction, graph theory, recurrence relations, difference equations, Boolean algebra, sets, functions, relations, cardinality, number systems, and algorithms. (Addresses NCTM Standard 1 .5.11 for Mathematics Education majors.) Credits: 3 cr. GenEd Req: Mathematics

MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY

A study of the geometry of vectors, matrix algebra and operations, solutions of general systems of linear equations, inversion of matrices, determinants, vectors and vector spaces, subspaces, linear independence, bases and dimension, linear transformations, eigenvalues and eigenvectors, and applications. (Addresses NCTM Standards 1 .5.11 and 1 .5.13 for Mathematics Education majors.) Prerequisites & Notes: MA 2232. Credits: 3 cr. GenEd Req: Mathematics

MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING

TO CALCULUS

An in-depth study of the chronological development of facets of mathematics up to the development of Calculus. The historical background of each facet is integrated with experience in mathematical study and application. Emphasis is placed on great mathematicians, their contributions, and their methods of reasoning, including the contributions of underrepresented groups and diverse cultures. Concepts of number, number systems, and the nature of axiomatic reasoning are also covered. Prerequisites & Notes: Co-requisite: MA 3260. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy, Mathematics

MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS

An in-depth study of the chronological development of facets of mathematics beginning with the development of Calculus and continuing to the present day. The historical background of each facet is integrated with experience in mathematical study and application. Emphasis is placed on great mathematicians, their contributions, and their methods of reasoning, including the contributions of underrepresented groups and diverse cultures. Concepts of number, number systems, and the nature of axiomatic reasoning are also covered. Prerequisites & Notes: Co-requisite: MA 3260. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy, Mathematics

MA 3308 - OPERATIONS RESEARCH

Examines the development and use of the techniques of research. Topics include linear programming, queuing theory, probabilistic inventory models, and simulation. Prerequisites & Notes: MA 1125, MA 2232, MA 3260, MA 3280 or MA 3314. Credits: 3 cr. GenEd Req: Mathematics

MA 3310 - NUMERICAL ANALYSIS

A study of numerical methods for the solution of algebraic, transcendental, and differential equations, numerical integration and differentiation, and error analysis. Prerequisites & Notes: MA 2232. Credits: 3 cr. GenEd Req: Mathematics

MA 3311 - DIFFERENTIAL EQUATIONS I

Techniques for solving ordinary differential equations, superposition principle, existence and uniqueness theorem, applications. Prerequisites & Notes: MA 2232 (may be taken concurrently). Credits: 3 cr. GenEd Req: Mathematics

MA 3312 - DIFFERENTIAL EQUATIONS II

Additional work in partial differential equations and boundary value problems, numerical methods, qualitative treatment of differential equation in phase plane, stability issues. Prerequisites & Notes: MA 3311 and MA 2233 (may be taken concurrently). Credits: 3 cr. GenEd Req: Mathematics

MA 3314 - APPLIED PROBABILITY AND STATISTICS

An introduction to applications of descriptive, inferential statistics, and probability. Descriptive statistics including frequency distributions, measures of location and variation; axioms of probability, probability (both theoretical and simulated), permutations, combinations, random variables, expected value, and decision making; probability distributions (both discrete and continuous), distribution functions, sampling and sampling

distributions; statistical inferences concerning means, standard deviations, and proportions; analysis of variance, non-parametric methods, regression, correlation, planning surveys and experiments. (Addresses NCTM Standards 1 .5.6, 1 .5.7, and 1 .5.11 for Mathematics Education majors.) Prerequisites & Notes: MA 1170 or MA 2232. Credits: 3 cr. GenEd Req: Mathematics

MA 3315 - APPLIED REGRESSION ANALYSIS

Simple and multiple regression will be used to analyze data. Residual analysis, indicator variables, and step-wise and polynomial regression. Computer software will be used to analyze data. Prerequisites & Notes: MA 1125 or MA 3314. Credits: 3 cr. GenEd Req: Mathematics

MA 3324 - APPLIED MATHEMATICS

Illustrates the principles and basic styles of thought in solving physical problems by mathematical methods. Particle dynamics, heat and fluid flow, wave equations, vector, Fourier and tensor analysis. Prerequisites & Notes: MA 2232 and MA 3280. Credits: 3 cr. GenEd Req: Mathematics

MA 3329 - UNIFORM GEOMETRIES

A study of the traditional modern geometries. Topics include: Euclid's postulate system with special focus on his Fifth Postulate, Hilbert's axiom system, the hyperbolic axiom system, spherical geometry, the Gauss-Bonnet theorem for triangles, and Klein's transformational geometry. MA 3329 and MA 3330 may both be taken for credit, and either course can be taken before the other. Prerequisites & Notes: MA 3260 or permission of instructor. Credits: 3 cr. GenEd Req: Mathematics

MA 3330 - NON-UNIFORM GEOMETRIES

A study of the modern geometries leading up to the geometry of manifolds. Topics include: Euclid's "algebraic" propositions, Descartes' analytic geometry, the analytic approach to Euclidean geometry, Euclid's and Hilbert's axioms as theorems in analytic geometry, Euclid's Fifth Postulate and the birth of non-Euclidean geometry, Descartes' lost manuscript and the angle deficit, angle deficit and curvature, the polyhedral Gauss-Bonnet theorem, paper models of curved surfaces, and an introduction to Gaussian curvature and Riemannian geometry. MA 3329 and MA 3330 may both be taken for credit, and either course can be taken before the other. Prerequisites & Notes: MA 3260 or permission of instructor. Credits: 3 cr. GenEd Req: Mathematics

MA 3335 - NUMBER THEORY

An analytical study of basic concepts including divisibility, congruence, quadratic reciprocity and Diophantine equations. Varied methods are stressed. Prerequisites & Notes: MA 2232 and MA 3260. Credits: 3 cr. GenEd Req: Mathematics

MA 3345 - REAL ANALYSIS I

The real number system. Emphasis on the concepts and theoretical approach to calculus: functions, sequences, series, limits, continuity, derivatives, the Riemann integrals, and sequences of functions. Prerequisites & Notes: MA 2233 and MA 3260. Credits: 3 cr. GenEd Req: Mathematics

MA 3348 - COMPLEX VARIABLES

A first course in complex variables. Complex numbers, analytic functions, elementary functions, mappings by elementary functions, integrals, power series, residues, poles, and conformal

mappings. Prerequisites & Notes: MA 2233. Credits: 3 cr. GenEd Req: Mathematics

MA 3361 - MODERN ALGEBRA - GROUPS

A study of abstract algebraic structures focusing on groups. Topics include: dihedral groups, cyclic groups, permutation groups, subgroups, cosets, quotient groups, homomorphisms, isomorphisms, cardinality, generators and relations, Lagrange's theorem, Cayley's theorem, the fundamental homomorphism theorem, the fundamental theorem for abelian groups, and applications of groups. MA 3361 and MA 3362 may both be taken for credit, and either course can be taken before the other. Prerequisites & Notes: MA 3260 or permission of instructor. Credits: 3 cr. GenEd Req: Mathematics

MA 3362 - MODERN ALGEBRA - RINGS

A study of abstract algebraic structures focusing on rings. Topics include: rings, integral domains, fields, subrings, ideals, quotient rings, fields of quotients, the division algorithm, factorization of polynomials (reducibility and unique factorization), field extensions, and applications of rings/fields. MA 3361 and MA 3362 may both be taken for credit, and either course can be taken before the other. Prerequisites & Notes: MA 3260 or permission of instructor. Credits: 3 cr. GenEd Req: Mathematics

MA 3371 - MATHEMATICAL STATISTICS I

Distributions of discrete and continuous random variables, expected values and moments, conditional probability and independence, special discrete and continuous distributions. Prerequisites & Notes: MA 2233. Credits: 3 cr. GenEd Req: Mathematics

MA 3381 - TOPOLOGY

Introduction to point-set topology. Set theory, metric spaces, topological spaces, connectedness, and compactness. Prerequisites & Notes: MA 2232 and MA 3260. Credits: 3 cr. GenEd Req: Mathematics

MA 4401 - SELECTED TOPICS

Selections from topology, algebra, real analysis, matrix theory, computer science or other junior or senior level topics. Active participation by the student is required. Prerequisites & Notes: Permission of instructor. Credits: 1 - 3 cr. GenEd Req: Mathematics

MA 4402 - SEMINAR

Papers from the American Mathematical Monthly, comparable journals, and various references will be presented and discussed by the students. Continuous reading and participation will be required. Prerequisites & Notes: Permission of instructor. Credits: 1 - 3 cr. Notes: May be taken for a total of 6 credits.

MA 4450 - INTERNSHIP

Supervised and evaluated participation in the regular activities of a business, government, agency, or appropriate organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the internship. Prerequisites & Notes: Recommendation by department faculty. Credits: 3 - 12 cr. Notes: May be taken for 3 through 12 credits. No more than 6 credits count toward the major.

MA 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time. GenEd Req: Mathematics

MAP 1101 - VOICE CLASS I

Develops proper vocal production, poise, and confidence in solo singing. Remedial work for individual problems. Credits: 1 cr.

MAP 1103 - ADVANCED VOICE CLASS

Instruction in voice will be given on a level beyond MAP 1101 and 1102. Goals of the course: to improve technique, quality, and artistry of individual voices; and to focus class attention on common vocal problems and their remediation. Credits: 1 cr.

MAP 1115 - ADVANCED PIANO CLASS

Requires completion of the first piano proficiency and MU 3318. Focuses on skills necessary for vocal track music education majors, including four-part open score reading, preparing multiple accompaniments simultaneously, reducing and transposing accompaniments to fit student needs, and site-reading. The course prepares students for the second piano proficiency, in which students perform multiple open-score excerpts, accompany solo vocalists, perform choral accompaniments, and sight-read both accompaniments and four-part open scores. Prerequisites & Notes: MU 3318. Credits: 1 cr.

MAP 1121 - PIANO CLASS I

This class is intended for the beginning piano student with no previous piano background. Develops basic skills such as scales, reading bass and treble clefs simultaneously, simple chord progressions, ability to improvise harmonization patterns, and simple sight-reading. Credits: 1 cr.

MAP 1122 - PIANO CLASS II

Assumes completion of MAP 1121 or some level of previous piano training. Further development of basic skills, expanding scale knowledge to include all major scales and white-note minors, including arpeggios and basic chord progressions. Focus on improvising accompaniment patterns, learning basic repertoire quickly, and enhanced sight-reading skills. Prerequisites & Notes: MAP 1121 with grade of C or better or departmental approval. Credits: 1 cr.

MAP 1123 - PIANO CLASS III

Assumes completion of MAP 1122 or substantial previous piano training. Includes a more in-depth focus on improvisation using more complex harmonic progressions. Increases fluency of scales, chords and arpeggios, and develops students' abilities to prepare and perform repertoire, and to further improve sight-reading skills. The course culminates in the first piano proficiency. Prerequisites & Notes: MAP 1122 with grade of C or better or departmental approval. Credits: 1 cr.

MAP 1124 - PIANO CLASS IV

Requires completion of the first piano proficiency. Focuses on skills necessary for vocal track music education majors, including 3-part open score reading, preparing choral and solo accompaniments, reducing and transposing accompaniments to fit student needs, and sight reading. Prerequisites & Notes:

Completion of the First Piano Proficiency. Credits: 1 cr.

MAP 1125 - PIANO CLASS V

Focuses on skills necessary for vocal track music education majors, including 4-part open score reading, preparing choral and solo accompaniments, reducing and transposing difficult accompaniments to fit student needs, and sight reading. Prerequisites & Notes: MAP 1124 with a grade of C or better. Credits: 1 cr.

MAP 1135 - WOODWIND CLASS

Studies the fundamental principles and techniques necessary for playing and teaching the flute, clarinet, saxophone, oboe, and bassoon. Study of the literature appropriate for beginning class instruction Credits: 2 cr.

MAP 1145 - BRASS CLASS

Studies the fundamental principles and techniques necessary for playing and teaching the trumpet, horn, trombone, euphonium, and tuba. Study of the literature appropriate for beginning class instruction. Credits: 2 cr.

MAP 1155 - STRING CLASS

Studies the fundamental principles and techniques necessary for playing and teaching the violin, viola, cello, and bass. Study of literature appropriate for beginning class instruction. Credits: 2 cr.

MAP 1156 - GUITAR CLASS

Beginning study of the guitar focusing on accompaniment skills needed for use of the guitar in the music classroom. Credits: 2 cr.

MAP 1158 - GUITAR CLASS II

Continuation of 1157. More advanced work in techniques and corresponding literature. Credits: 1 cr.

MAP 1161 - PERCUSSION CLASS

Studies the characteristics for the various percussion instruments; performance techniques: development of performing ability necessary to teach the percussion instruments at the elementary and secondary level of instruction. Credits: 1 cr.

MAP 2200 - VOICE SECONDARY

Voice secondary - one-half hour lesson Credits: 1 cr.

MAP 2210 - PIANO SECONDARY

Piano secondary - one-half hour lesson Credits: 1 cr.

MAP 2220 - ORGAN SECONDARY

Organ secondary - one-half hour lesson Credits: 1 cr.

MAP 2230 - FLUTE SECONDARY

Flute secondary - one-half hour lesson Credits: 1 cr.

MAP 2231 - OBOE SECONDARY

Oboe secondary - one-half hour lesson Credits: 1 cr.

MAP 2232 - CLARINET SECONDARY

Clarinet secondary - one-half hour lesson Credits: 1 cr.

MAP 2233 - BASSOON SECONDARY

Bassoon secondary - one-half hour lesson. Credits: 1 cr.

MAP 2234 - SAXOPHONE SECONDARY

Saxophone secondary - one-half hour lesson Credits: 1 cr.

MAP 2240 - TRUMPET SECONDARY

Trumpet secondary - one-half hour lesson Credits: 1 cr.

MAP 2241 - HORN SECONDARY

Horn secondary - one-half hour lesson Credits: 1 cr.

MAP 2242 - TROMBONE SECONDARY

Trombone secondary - one-half hour lesson Credits: 1 cr.

MAP 2243 - EUPHONIUM SECONDARY

Euphonium secondary - one-half hour lesson Credits: 1 cr.

MAP 2244 - TUBA SECONDARY

Tuba secondary - one-half hour lesson Credits: 1 cr.

MAP 2250 - VIOLIN SECONDARY

Violin secondary - one-half hour lesson Credits: 1 cr.

MAP 2251 - VIOLA SECONDARY

Viola secondary - one-half hour lesson Credits: 1 cr.

MAP 2252 - CELLO SECONDARY

Cello secondary - one-half hour lesson Credits: 1 cr.

MAP 2253 - BASS SECONDARY

Bass secondary - one-half hour lesson Credits: 1 cr.

MAP 2257 - GUITAR SECONDARY

Guitar secondary - one-half hour lesson Credits: 1 cr.

MAP 2260 - PERCUSSION SECONDARY

Percussion secondary - one-half hour lesson Credits: 1 cr.

MAP 3270 - APPLIED MUSIC COMPOSITION

The study and application of composition techniques within the context of an individualized private lesson. New compositions will be developed and produced for public performance. Expertise in the composition of serious art music may be used in career musical capacities and in a graduate school of music. Prerequisites & Notes: Successful completion of Basic Music I-IV theory sequence and/or permission of instructor. Credits: 2 cr. Notes: May be repeated for a total of 7 credits over multiple semesters.

MAP 3300 - VOICE

Voice - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3310 - PIANO

Piano - One-half hour of lesson and fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 3330 - FLUTE

Flute - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3331 - OBOE

Oboe - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 3332 - CLARINET

Clarinet - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 3333 - BASSOON

Bassoon - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 3334 - SAXOPHONE

Saxophone - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3340 - TRUMPET

Trumpet - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3341 - HORN

Horn - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 3342 - TROMBONE

Trombone - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3343 - EUPHONIUM

Euphonium - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 3344 - TUBA

Tuba - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3350 - VIOLIN

Violin - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3351 - VIOLA

Viola - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 3352 - CELLO

Cello - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3353 - BASS

Bass - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3357 - GUITAR

Guitar - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1 - 2 cr.

MAP 3360 - PERCUSSION

Percussion - One-half hour lesson and one fifty-minute group studio class per week. Credits: 1- 2 cr.

MAP 4400 - VOICE

Voice - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4410 - PIANO

Piano- One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4430 - FLUTE

Flute - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4431 - OBOE

Oboe - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4432 - CLARINET

Clarinet - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4433 - BASSOON

Bassoon - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4434 - SAXOPHONE

Saxophone - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4440 - TRUMPET

Trumpet - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4441 - HORN

Horn - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4442 - TROMBONE

Trombone - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4443 - EUPHONIUM

Euphonium - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4444 - TUBA

Tuba - One-hour lesson and one fifty-minute group studio classes per week. Credits: 3 - 4 cr.

MAP 4450 - VIOLIN

Violin - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4451 - VIOLA

Viola - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4452 - CELLO

Cello - One-hour lesson and one fifty-minute group studio class per week Credits: 3 - 4 cr.

MAP 4453 - BASS

Bass - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4457 - GUITAR

Guitar - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4460 - PERCUSSION

Percussion - One-hour lesson and one fifty-minute group studio class per week. Credits: 3 - 4 cr.

MAP 4470 - RECITAL

A formal public recital given in the major performing medium represents the culmination of study in the applied area. Credits: 2 - 4 cr.

MEN 0000 - RECITAL ATTENDANCE

Recital attendance is designed to 1) place students in formal concerts for their peers on Thursdays, 2) have students hear professional performances during the semester, and 3) meet as a studio master class on Tuesdays. Credits: 0 cr.

MEN 3300 - CONCERT CHOIR

A highly select choir of forty-eight voices. Presents a concert each semester and joins with other choruses for choral festivals. Performs choral literature spanning five centuries and in a variety of languages. The choir is a touring ensemble. Audition required. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MEN 3301 - FESTIVAL CHORUS

A large mixed chorus providing opportunity to experience great choral literature. Students present a concert each semester and join other choruses for choral festivals. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MEN 3302 - OPERA WORKSHOP

The study and performance of operatic scenes or full scale operatic productions chosen according to the abilities of the students in the workshop. Under supervision, students perform in, musically direct, coach, accompany, conduct and stage direct various scenes. Credits: 1 cr. Dual Listed/Cross Listed: MEN 5502.

MEN 3303 - MANSFIELDIANS

A vocal jazz/madrigal ensemble which specializes in singing jazz, madrigal, and folk music. This group is available for performance in public schools, service agencies, and alumni functions. Audition required. Credits: 1 cr.

MEN 3304 - CHAMBER SINGERS

A vocal chamber ensemble of twelve to sixteen singers. Specializes in repertoire of the 16th century Madrigal, 19th & 20th century part-song, and vocal jazz. Concerts given at the university and off campus by request. Audition required. Credits: 1 cr.

MEN 3306 - MUSICAL THEATRE PRODUCTION

The study and performance of a full-scale musical production done in conjunction with the department of speech, communications and theatre. Students will participate in all performance and technical aspects of the production. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MEN 3310 - PIANO ENSEMBLE

Studies and performs two-piano and four-hand literature, chamber music, sonatas, and trios, including accompaniment of standard instrumental and vocal literature. Credits: 1 cr.

MEN 3330 - CONCERT WIND ENSEMBLE

A select ensemble of wind and percussion players. Concerts given on and off campus. Membership is open to all university students by audition. Credits: 1 cr. GenEd Req: Unity and Diversity of

Humanity – Themes - Arts and the Human Experience

MEN 3331 - MOUNTIE MARCHING BAND

Performs at all home games, travels for recruitment and promotion of MU and hosts the Mansfield University band day, as well as special functions, and international events. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Wellness

MEN 3332 - SYMPHONIC BAND

Studies a wide variety of band literature and presents concerts on campus. Membership is open to all university students. Auditions are for seating purposes only. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MEN 3333 - WOODWIND ENSEMBLE

Study and performance of representative works for various woodwind ensembles. One woodwind quintet and one sax quintet take an annual tour. Credits: 1 cr.

MEN 3334 - BRASS ENSEMBLE

Study and performance of representative works for various combinations of brass instruments. Credits: 1 cr.

MEN 3335 - CONCERT JAZZ BAND

Performs on-campus several times each year, as well as, touring and performing concerts off-campus. Membership by audition. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MEN 3336 - SMALL JAZZ AND COMMERCIAL ENSEMBLES

Provides the opportunity for students to gain supervised experience in performing jazz and other current professional music idioms in small groups. Credits: 1 cr. Dual Listed/Cross Listed: MEN 5536.

MEN 3337 - JAZZ LAB BAND

The Jazz Lab Band is intended to introduce the student to large ensemble jazz styles through the performance of traditional and modern arrangements. The ensemble performs at least two concerts per year. Membership is by audition. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MEN 3350 - ORCHESTRA

The College-Community Symphony provides an opportunity to participate in the performance of standard symphonic literature. Our orchestra presents a concert each semester, accompanies outstanding student soloists, participates in the biennial choral festival, and is a touring ensemble. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MEN 3351 - STRING ENSEMBLE

Study and performance of standard literature for string ensembles. Credits: 1 cr.

MEN 3352 - STRING CHAMBER ORCHESTRA

The Mansfield University String Chamber Orchestra offers string players the opportunity to study and perform the standard string orchestra repertory of the great masters, as well as to play and become acquainted with the large graded music education

repertory. Weekly rehearsals will cover this repertory and prepare the ensemble for performances on and off campus. Membership is by audition. Credits: 1 cr.

MEN 3357 - GUITAR ENSEMBLE

Introduction to the technique and repertoire of guitar ensemble music and ensemble performance skills. Credits: 1 cr.

MEN 3360 - PERCUSSION ENSEMBLE

Study and performance of representative works for all combinations of percussion instruments. Credits: 1 cr.

MGT 2230 - MANAGEMENT PRINCIPLES

Explains the world of professional management, and has the basic management functions of planning, organizing, leading, and controlling. An emphasis on the contemporary challenges facing management: Quality, ethics, global issues and information technology. Credits: 3 cr.

MGT 3325 - BUSINESS LEADERSHIP

This course provides a broad overview of the new context of business leadership, with an emphasis on the theories and research findings that offer important insights and practical knowledge about effective leadership in formal business organizations. It offers a set of leadership practices based on the real world experiences of business managers who assumed the role of business leadership effectively. Prerequisites & Notes: BUS 2230 or MGT 2230. Credits: 3 cr. GenEd Req: Information Literacy

MGT 3360 - INTERNATIONAL MANAGEMENT

Presents in-depth description of the emerging field of international management. Comprehensive coverage of both the strategic and behavioral dimensions of international management. Exploring key cultural issues and problems in management across frontiers related to leadership, decision making, motivation and control. It deals with the unique managerial risks and challenges resulting from complicated economic, legal-political and sociocultural forces. Prerequisites & Notes: BUS 2230 or MGT 2230. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global Awareness, Information Literacy

MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

An examination of theories, concepts, and research findings emerging from the various disciplines which study individual and group behavior within organizational systems. Prerequisites & Notes: BUS 2230 or MGT 2230. Credits: 3 cr. GenEd Req: Global Awareness

MKT 3330 - MARKETING

An introduction to the field of marketing. A study of satisfying customer needs for goods and services. Topics include designing marketing strategies, understanding buyers and markets, target market selection, and issues related to product, distribution, promotion and price decisions. Prerequisites & Notes: 25 earned credits. Credits: 3 cr. GenEd Req: Information Literacy

MKT 3332 - PROMOTION IN MARKETING

This course provides the student with an understanding of basic marketing principles and training for entry-level job positions in the exciting, constantly changing fields of advertising and promotion. Students will learn different advertising methods to reach target audiences including, newspaper, radio, TV, internet mail, outdoor and special promotion events. Specific skills will help students to create, produce, and effectively evaluate different advertising and promotional strategies. Prerequisites & Notes: MKT 3330. Credits: 3 cr.

MKT 3334 - MARKETING RESEARCH

The theory and application of marketing researches a tool for the decision-making process. Special emphasis on problem definition, research design, sampling procedure, data collection, statistical analysis, interpretation of data and reporting of research findings. Prerequisites & Notes: BUS 3330 or MKT 3330 and MA 1125. Credits: 3 cr. GenEd Req: Information Literacy

MKT 3370 - SALESMANSHIP

Provides students with entry level skills for a position in sales. Recognizes the necessary skills and characteristics that contribute toward greater sales effectiveness. Stresses the importance of establishing realistic goals and objectives; to manage your time and selling activities more effectively. The primary objective, however, is to gain an understanding of personal selling as a major function within the marketing and promotional mix of a firm. Credits: 3 cr.

MKT 4415 - MARKETING MANAGEMENT

An in-depth examination of contemporary micro and macro marketing systems. Examines functional marketing decisions through the application of behavioral concepts, quantitative tools, and systems theory. Also presents advanced marketing techniques used by marketing organizations. Looks at individual behavior in order to evaluate the buying behavior of consumers with the objective of tailoring marketing strategies to meet consumers' needs and wants. Prerequisites & Notes: BUS 3330 or MKT 3330 and junior standing or permission of instructor. Credits: 3 cr. GenEd Req: May satisfy GenEd Reqs.

MKT 4422 - INTERNATIONAL MARKETING

Examines the application of marketing concepts and strategies in the global markets. Emphasis is on adjusting and adapting a marketing program to foreign markets. Provides an understanding of differences between markets in different countries, its politics, legal, culture, trade practices, geography, and commercial policies. Studies export and import procedures and practices. Prerequisites & Notes: BUS 3330 or MGT 3330 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

MKT 4423 - BUSINESS-TO-BUSINESS MARKETING

In the business market, the customers are organizations (businesses, governments, and institutions) and these customers represent a huge market opportunity. This course will introduce students to business-to-business marketing by identifying the distinctive characteristics of the business market, exploring the way in which organizations make buying decisions, and isolating the requirements for marketing strategy success. Prerequisites & Notes: BUS 3330 or MKT 3330. Credits: 3 cr.

MKT 4426 - E-MARKETING

This course is a comprehensive examination of e-marketing. Covers the skills and knowledge to develop and implement e-marketing strategies for segmenting, targeting and positions. In addition, marketing mix functions and customer relationship management will be explored in an online environment. Prerequisites & Notes: 45 earned credits. Credits: 3 cr.

MS 1115 - LEADERSHIP AND PERSONAL DEVELOPMENT

This is an introductory course open to all students without obligation. It focuses on the military as a profession and examines its organization, ethics and values. The course explores the responsibilities and impact of leadership and the rules, customs and traditions of military service. Students are introduced to the fundamentals of land navigation, physical fitness, drill and ceremonies, first aid and public speaking. Credits: 1 cr.

MS 1125 - INTRODUCTION TO TACTICAL LEADERSHIP

Open to all students without obligation. The course explores leadership principles, decision-making and team building. Students are introduced to tactical systems and the field environment. Students learn advanced techniques in land navigation, terrain association, and first aid. Students also begin their program in professional military reading. Credits: 1 cr.

MS 2215 - INNOVATIVE TEAM LEADERSHIP

Open to all students without obligation. The course continues the basic leader development process and focuses on applying the fundamentals of leadership and team-building skills. Students gain an understanding of small team dynamics and the roles and responsibilities of junior leaders. It further reinforces the ideals of service, ethics and values, and develops students' confidence in their own skills, knowledge and attributes. Credits: 1 cr.

MS 2225 - FOUNDATIONS OF TACTICAL LEADERSHIP

Open to all students without obligation. The course continues the application of leadership and team-building principles. Proficiency in individual skills and leadership abilities is assessed during situational training to evaluate students in leadership roles. Advanced techniques in problem analysis, planning and organizing, delegation, interpersonal skills, sound decision making, and small team operations are emphasized. Credits: 1 cr.

MS 3315 - INTRODUCTION TO TEAM DYNAMICS

Expands and refines the leader development process. This is an intensive program to prepare cadets for tasks, skills and responsibilities associated with Leader Development and Assessment Course (LDAC). Cadets are trained and evaluated on the full range of leadership skills and attributes. Written and oral communication skills, motivational behavior, interpersonal skills, administrative procedures, decision-making and military field skills are emphasized. Credits: 3 cr.

MS 3325 - LEADERSHIP IN CHANGING ENVIRONMENTS

Expands on the skills introduced in MS-3315 and incorporates increasingly challenging situations involving military technical, tactical and leadership skills. Advanced training in marksmanship and physical fitness is emphasized. Course culminates with several field training exercises where students are placed in simulated combat and evaluated on performance. Course is designed to bring cadets to peak proficiency in physical conditioning and

leadership ability. Prerequisites & Notes: MS 3315. Credits: 3 cr.

MU 1100 - FOUNDATIONS OF MUSIC EDUCATION

This course provides an introduction to professional careers in music education. Students examine teaching responsibilities, attributes of a successful teacher, and the process of teaching and learning music in grades PreK-12, with Pre-K lab experience. Additional topics include certification requirements, historical and philosophical foundations of music education, frameworks for teaching, emerging technology in music education and creating a professional portfolio. Credits: 3 cr.

MU 1101 - INTRODUCTION TO MUSIC

Studies principal vocal and instrumental forms and media. Surveys important compositions from the early Baroque to the present. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience, Fine Arts

MU 1103 - INTRODUCTION TO MUSIC FUNDAMENTALS

An overview of music theory fundamentals, including notes, key signatures, scales, intervals, triads, Mm seventh chords, and rhythm. Credits: 1 cr.

MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY

An introduction to music technology software and hardware, focused on basic recording, sound reinforcement, and desktop music production systems. Lab activities will place an emphasis on the operation and components of the typical MIDI lab (hardware and software) and basic concert hall sound systems. Students will complete independent projects in audio production, music notation, and MIDI sequencing. Credits: 2 cr.

MU 2201 - INTRODUCTION TO JAZZ

Studies the evolutionary history of jazz from the earliest African and European influences to the present. Emphasizes listening experiences and develops an awareness of the unique role of jazz in American culture. Credits: 3 cr.

MU 2202 - HISTORY OF ROCK N' ROLL, POP, AND SOUL

Focus on the musical elements, historical aspects, and styles of 20th century and 21st century popular music with an emphasis on the genres of Rock n' Roll, Soul and Pop music. It will explore the social, technological, and cultural backgrounds that influenced the development of these musical styles. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MU 2203 - MUSIC AND THE SOUNDS OF FILM

Examines music and film, how the music interacts with sound and dialogue, and how music and film has changed with advances in film technology. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Arts and the Human Experience

MU 2205 - WOMEN IN MUSIC

The study of women composers and performers through reading and recordings, including western and non-western music traditions. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities

MU 2211 - BASIC MUSIC I

Development of vocabulary; study of modes, scales, harmonic rhythmic, and composition techniques. Supportive examples selected from all periods of music. Sight singing and dictation.

May be repeated for a total of 6 credits. Credits: 3 cr.

MU 2212 - BASIC MUSIC II

Continuation of MU 2211. The study of diatonic harmony with emphasis on the phrase model. Emphasis on cadences, choral harmonization, figured bass, sequences, and analysis approached through written material, sight singing, and dictation. Prerequisites & Notes: Grade of C or better in MU 2211. Credits: 3 cr.

MU 2220 - WESTERN MUSIC UNTIL 1750

Surveys Western European musical literature and styles beginning with the early Christian era through the Renaissance and Baroque. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

MU 2250 - BASIC CONDUCTING

Lecture and laboratory experiences with basic conducting techniques. Special emphasis on speaking and moving to rhythms. Students conduct class as a music ensemble. Credits: 1 cr.

MU 3221 - CLASSIC AND ROMANTIC MUSIC

Surveys Western European musical literature and musical styles of the Classic and Romantic Eras. Prerequisites & Notes: MU 2220. Music majors must earn a grade of C or better in MU 2220. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC

Surveys Western European and American musical literature and musical styles beginning with the Post-Romantic Era through main currents of 20th-century composition. Prerequisites & Notes: MU 3221 or permission of instructor. Music majors must earn a grade of C or better in MU 3221. Credits: 3 cr. Notes: May be taken for 2 or 3 credits only. GenEd Req: Approaches to Knowledge – Humanities, Global Awareness, Information Literacy

MU 3241 - GENERAL MUSIC METHODS K-12

Studies the developmental and musical characteristics of children ages 5-18. Emphasizes teaching the elements of music through age-appropriate activities. Includes a survey of current materials as well as observation/participation in the local schools. Particular attention is given to curricular development for general music classes and elective courses in grades K-12. Prerequisites & Notes: MU 1100, MU 2212 and Pre-Professional Experience I - non-music observations. Co-requisites: MU-3241L

MU 3241L - GENERAL MUSIC METHODS LAB

General Music Methods Lab Prerequisites & Notes: Co-requisites: MU 3241 Credits: 0 cr.

MU 3261 - FUNDAMENTALS OF JAZZ IMPROVISATION I

Beginning course in jazz improvisation. Study of fundamental chord types and appropriate scales/modes. Concentration will be on the blues form and diatonic harmony in major keys. Focus in on generating melodic lines in the jazz idiom based on goal notes, i.e. chord tones. Credits: 2 cr.

MU 3262 - FUNDAMENTALS OF JAZZ IMPROVISATION II

Continuation of 3261. Study of more complex chord extensions and/or alterations and appropriate scales/modes. Concentration will be on the II-V-I progression in both major and minor keys. Focus will again be on generating melodic lines in the jazz idiom

based on goal notes, i.e. chord tones. Credits: 2 cr.

MU 3291L - HIGH INCIDENCE DISABILITIES - MUSIC LAB

The focus of this course will be the application of information taught in SPE 3291; specifically instruction with needed modifications and development of adaptations and accommodations for the PreK-12 classroom; observations, development of adapted lesson plans and materials and teaching experiences will be included. Lab to be taken concurrently with SPE 3291. Credits: 0 cr.

MU 3301 - WORLD MUSICS

Music of various continents are explored with particular emphasis on each tradition's cultural function. Provides the fundamental research and comparative skills needed to understand and listen to selected non-western music. Includes discussions of how Western art and popular music incorporate these styles. Credits: 3 cr.

MU 3305 - TECHNOLOGY IN MUSIC EDUCATION

Studies current trends in technology for the music classroom. Special focus on educational software, online resources, Smartboard, notation software, and application to the music classroom and ensemble rehearsal. Prerequisites & Notes: MU 1100. Credits: 1 cr.

MU 3311 - BASIC MUSIC III

Continuation of MU 2212. The study of modulation and chromatic harmony approached through written material, sight singing, and dictation. Prerequisites & Notes: MU 2211 and grade of C or better in MU 2212. Credits: 3 cr.

MU 3312 - BASIC MUSIC IV

Continuation of MU 3311. An introduction to the study of musical form and structure including variations, rondo, and sonata form. Examination of late nineteenth-and twentieth-century harmonic practice through written work, sight singing, and dictation. Prerequisites & Notes: MU 2211 and grade of C or better in MU 3311. Credits: 3 cr.

MU 3313 - ELECTRONIC MUSIC I

Survey of electroacoustic music technology with emphasis on MIDI applications. Provides hands-on experience with computer-based sequencing and music notation. Prerequisites & Notes: Prerequisite: MU 2212. Credits: 2 cr.

MU 3314 - COMPUTER-BASED MUSIC NOTATION

This course provides hands-on instruction in computer-based music notation. Software such as Finale, Sibelius, Band-in-a-Box, Overture and Administrative applications are explored. Credits: 1 cr.

MU 3315 - ORCHESTRATION

Designed to provide the basic skills of notation, parts extraction, transposing and arranging, in addition to information on instrumental ranges, qualities, and usages. Strings, woodwinds, and brass are treated as distinct families. Provides a fluent understanding of skills and concepts and, as a by-product, the student will become more aware of score reading and audio awareness. Good manuscript habits will make it possible for musicians to read new music and students will be able to use these skills in graduate school. Prerequisites & Notes: MU 3312 or permission of instructor. Credits: 3 cr.

MU 3323 - STUDIES IN KEYBOARD LITERATURE

Study of keyboard literature from the late Renaissance to the present day. Credits: 3 cr.

MU 3330 - CHORAL CONDUCTING

Prepares the future music educator to organize, teach, and conduct choral organizations of varying levels of achievement, particularly junior and senior high school age groups. Experience in conducting the class as a chorus is integral to the course. Prerequisites & Notes: MU 2212, MU 2250 and MAP 1123. Credits: 3 cr.

MU 3331 - INSTRUMENTAL CONDUCTING

Prepared for conducting instrumental groups. Emphasis on communicative and control techniques of conducting and rehearsal and performance techniques. Experience through conducting a laboratory band and orchestra. Videotaping is utilized extensively with each individual. Prerequisites & Notes: MU 2212, MU 2250 and MAP 1123. Credits: 3 cr. Dual Listed/Cross Listed: MU 5551.

MU 3352 - DICTION I FOR SINGERS

This course will use the International Phonetic Alphabet (IPA) to present a systematic approach to the pronunciation of vocal literature in Italian, Latin, and German, examining those elements of pronunciation which must be modified from the spoken language into the singing language. The course will require solo and group preparation of songs in each language, including precise translations for foreign language literature and will provide for class criticism and discussion of performance in an effort to develop critical hearing. Credits: 2 cr.

MU 3353 - DICTION II FOR SINGERS

This course will use the International Phonetic Alphabet to present a systematic approach to the pronunciation of vocal literature in English and French, examining those elements of pronunciation, which must be modified from the spoken language into the singing language. The course will require solo and group preparation of songs in each language, including precise translations for foreign language literature and will provide for class criticism and discussion of performance in an effort to develop critical hearing. Credits: 2 cr.

MU 3361 - JAZZ ARRANGING I

A course in the study of the fundamentals of jazz arranging. Includes standard formats and part notation; appropriate ranges and transpositions of common jazz instruments and arranging for combos up to four horns and rhythm section. Credits: 2 cr.

MU 4330 - VOCAL-CHORAL MUSIC IN THE PUBLIC SCHOOLS

Study of a suitable choral program for a public school system. The course emphasizes the teaching of voice and ensemble singing through the developmental stages of young singers. Students observe and participate in vocal/choral music-making with elementary, middle, and high schools choirs. Prerequisites & Notes: MU 3241 and MU 3330. Credits: 3 cr. Dual Listed/Cross Listed: MU 5545.

MU 4331 - INSTRUMENTAL MUSIC IN THE PUBLIC

SCHOOLS

Study of a suitable instrumental program for a public school system. Particular attention to class teaching techniques of the various instruments. Problems of organization and administration of such a program; survey and examination of the available instructional materials. Prerequisites & Notes: Take MU-3241 and MU-3331 Credits: 3 cr. Dual Listed/Cross Listed: MU-5541

MU 4400 - STUDENT TEACHING

(By arrangement). Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor. Prerequisites & Notes: 3.0 QPA. Credits: 12 cr.

MU 4400L - SENIOR LAB: BECOMING A PROFESSIONAL

The focus of this course will be to develop and refine professional competencies prior to accepting a teaching position. Topics include: development of a professional portfolio, preparing for a job search, teacher certification, current issues in music education, professional development and professional responsibilities. Credits: 0 cr.

MU 4410 - FORMS AND ANALYSIS

Various methods of musical analysis are studied and applied to compositions representative of various periods of music history. Prerequisites & Notes: MU 3312. Credits: 3 cr.

MU 4413 - STUDIO PRODUCTION TECHNIQUES

Seminar in studio production techniques, including critical listening and monitoring, application of effects processing to digital audio, sound design and syntheses, device and effects automation, mixing and mastering, and final project deliver. Students will collaborate to produce several high-quality audio projects. Prerequisites & Notes: MU 3313. Credits: 3 cr.

MU 4414 - RECORDING ARTS

Seminar in digital audio workstation (DAW) recording: emphasis will be placed on sound recording, editing, and mixing processes through hands-on experience. Students will collaborate to produce high-quality recordings within several musical genres. Prerequisites & Notes: MU 3313 or permission of instructor. Credits: 3 cr.

MU 4420 - SONG LITERATURE

Studies development of monophonic song from the days of the troubadours and troupers to the present time. Emphasizes especially the history of the German lied, the French chanson or melody, and solo song in the British Isles and the United States. Also includes the major composers of song in the Slavic countries, Spain, South America, and Scandinavia. Credits: 3 cr.

MU 4429 - ADVANCED STUDIES MUSIC LITERATURE

Intensive study of selected choral, solo, chamber, and orchestral masterpieces: emphasis on formal and stylistic developments. Prerequisites & Notes: MU 2220, MU 3221 and MU 3222. Credits: 3 cr.

MU 4431 - THE SYMPHONY

Studies orchestral music from its beginning. The Mannheim composers, the Viennese classics, the Romanticists, and

contemporary composers. Works will be analyzed and their historical, cultural, and philosophical backgrounds discussed. Credits: 3 cr.

MU 4437 - WIND BAND LITERATURE

The study of wind band literature considered standard in the performance repertoire at the high school level with an emphasis on developing the skills to recognize works that are artfully crafted. Prerequisites & Notes: MU 3315 and MU 3351. Credits: 2 cr.

MU 4438 - CONDUCTOR'S LITERATURE

The study of standard literature in the performance repertoire of wind band and orchestral ensembles. An emphasis on developing the skills to recognize works that are artfully crafted, explore the origins of wind-band music, identify great literature for both wind-band and orchestra and assess the development and direction of current trends. While repertoire emphasized will be of the highest quality, one of the major benefits of the course will be to explore literature for all levels of programming, from beginning to professional levels. Prerequisites & Notes: MU 3315 and MU 3351. Credits: 2 cr.

MU 4459 - MARCHING BAND TECHNIQUES

Detailed study of the marching band including philosophy, styles, charting, music, materials, instrumentation, administration, and contemporary techniques. Credits: 2 cr.

MU 4471 - VOCAL PEDAGOGY

A study of the teaching of singing on an individual or group basis. Study of the five elements of singing: respiration, phonation, resonance, articulation, and interpretation. An examination of various approaches to voice teaching, including a study of books on voice pedagogy. Prerequisites & Notes: Permission of instructor. Credits: 3 cr. Notes: May be taken for 2 or 3 credits only.

MU 4472 - PIANO PEDAGOGY

Studies procedures for class and individual instruction: emphasizes the ear approach as the basis for reading, true musical perception and intelligent understanding of the printed page. Examines and evaluates materials suitable for the first years of piano study. Prerequisites & Notes: Permission of instructor. Credits: 2 cr.

MU 4473 - PRACTICUM IN PIANO TEACHING

Introduces class and individual instruction techniques to be used with young beginners. Prerequisites & Notes: MU 4472. Credits: 1 cr.

MU 4474 - STRING PEDAGOGY

Evaluates string methods and materials, gives hands-on practice on feedback on string lessons, grades and organizes string music literature, present history of string teaching and offers a repertoire of teaching techniques and routines. Prerequisites & Notes: MAP 1151 and MAP 1152. Credits: 2 cr.

MU 4475 - WOODWIND PEDAGOGY

Acquaints students with the woodwind instruments and their solo and ensemble literature. Lecture, demonstration, films, tapes, and recordings presented for flute, oboe, bassoon, clarinet, and saxophone. Credits: 2 cr.

MU 4476 - BRASS PEDAGOGY

Studies the techniques, teaching problems, teaching materials, history, and literature related to the brass instruments. Credits: 2 cr.

MU 4477 - PERCUSSION PEDAGOGY

Studies teaching techniques and associated literature of the various percussion instruments. Credits: 2 cr.

MU 4481 - SURVEY OF THE BUSINESS OF MUSIC

An overview of the global music industry as practiced in the United States, this course will provide insights into a number of key areas of business related to music. Students will also explore a diversity of music industry career paths in areas such as arts management, music products and merchandizing, public relations, music production and recording, publishing, and online music distribution. Credits: 3 cr.

MU 4489 - INTERNSHIP: MUSIC INDUSTRY

A 14-week internship in the music industry intended as a capstone experience for the Industry program. Internships may take place in the fields of music products retail and wholesale, arts management, marketing, promotions, recording, and/or production. Students are encouraged to make contact with potential internship programs well before their internship. Prerequisites & Notes: MU 4481. Credits: 12 cr.

MU 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

NUR 1010 - HUMAN BODY AND HEALTH

The emphasis of this course will be the development of life-long wellness strategies through knowledge of anatomy and physiology. As students learn about individual body systems, they will also learn about some of the common pathologic conditions associated with the system and how to keep the system healthy. This course is NOT for nursing or nutrition majors but will meet the wellness requirement for non-nursing majors. Credits: 3 cr.

NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING

This course introduces first-year students to the university community and the health profession of nursing. The course has two separate goals: providing a basis for academic and professional success, and involving students in the world around them. Students will become involved in the MU community, develop an awareness of diversity issues, examine what it means to be a college student, explore what it means to be a professional, and develop strategies for success. Discussion of the importance of a strong liberal arts foundation as the basis of professional study is an integral part of the course. Professional concepts such as communication skills, basic medical language, legal, ethical, and professional issues are introduced. Credits: 2 cr.

NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE

This course is designed to provide an overview of public health with an emphasis on the population perspective and the cross-cutting ecological nature of public health including the population

impacts on healthcare systems. Discussions will integrate social justice issues, epidemiology and other public health concepts, with discussions primarily limited to the United States and occasional references to global implications. This course does not meet the wellness requirement for nursing or nutrition students, nor can it be used as a nursing elective. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Ethics and Civic Responsibility, Wellness. *** This course does not meet the wellness requirement for nursing or nutrition students, nor can it be used as a nursing elective.

NUR 3261 - HEALTH ASSESSMENT ACROSS THE LIFE SPAN

This course is designed to assist the RN to BSN student develop the skills necessary to perform health assessments. The course incorporates the principles of interviewing, comprehensive health history, sequential physical assessment, and analysis and documentation of collected data. Prerequisites & Notes: NUR 3260 or permission of instructor. Credits: 3 cr.

NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I

This course provides a theory and skills foundation for professional nursing, and the role of the professional nurse is explored. The Nursing process, health care needs of individuals, and health physical assessment are central concepts. The history of nursing and the laboratory component concentrate on acquisition of professional nursing skills. Prerequisites & Notes: BSC 1121 and BSC 1122 or permission of instructor. Credits: 3 cr.

NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II

This course builds on the concepts introduced in NUR 1170 and NUR 3270. Course content focuses on developing a global awareness of cultures outside of the United States, and the impact of culture on nursing practice. There is a continuation of the application of the nursing process to human needs and responses to illness and human development. The laboratory component focuses on gaining basic clinical skills and applying them in the student's first clinical experience. Prerequisites & Notes: NUR 1100 and NUR 3270. Credits: 4 cr. GenEd Req: Global Awareness, Information Literacy

NUR 3361 - INTRODUCTION TO NURSING RESEARCH

This course provides an overview of the steps in the research process, and the ethical and legal implications involved in scientific inquiry. Emphasis is on knowledge and methods required to critically evaluate research studies and reports. Prerequisites & Notes: NUR 3270 and NUR 3271 or NUR 3260; MA 1125; or permission of instructor. Credits: 2 cr. GenEd Req: Information Literacy

NUR 3370 - NURSING CARE OF THE ADULT CLIENT

Explores the use of the nursing process with adult clients as they encounter actual and potential stressors along with the wellness-illness continuum. The clinical lab provides the student with opportunities to apply the nursing process at all levels of prevention and to observe various roles of the professional nurse within the health care system. Prerequisites & Notes: BSC 1121, BSC 1122, BSC 3271 (or BI 3371), CHM 1110, DIT 2211, NUR 3270 and NUR 3271. Credits: 8 cr.

NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILD REARING FAMILIES

Explores the use of the nursing process with individual and family clients. The focus of the role of the nurse in meeting the health care needs of childbearing and child rearing families at all levels of prevention and in a variety of settings. The course content focuses on growth and development, family issues and assessment, the change process, and stressors for and reaction of individuals and families. Prerequisites & Notes: BSC 1121, BSC 1122, BSC 3271 (or BI 3371), CHM 1110, NUR 3270 and NUR 3271. Credits: 8 cr.

NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I

This course examines pathophysiological concepts of altered health states of selected body systems along with appropriate pharmacological management and nursing implications. Includes alterations in cell function, metabolism, stress and adaptation, inflammation, immunity, oxygenation, and cardiac function. Prerequisites & Notes: NUR 3270, NUR 3271, BSC 1121, BSC 1122 and BSC 3271 or BI 3371. Credits: 3 cr.

NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II

This course examines pathophysiological concepts of altered health states of selected body systems along with appropriate pharmacological management and nursing implications. Includes alterations in respiratory function, fluids and electrolytes, renal function, gastrointestinal function, endocrine function, and neurological function. Prerequisites & Notes: NUR 3270, NUR 3271, BSC 1121, BSC 1122, BSC 3271 or BI 3371. Credits: 3 cr.

NUR 4402 - WOMEN'S HEALTH ISSUES

Designed to explore and analyze a wide range of women's health issues from a multi disciplinary perspective. It is presented in a seminar format utilizing feminist pedagogy. A high level of student participation is expected. Credits: 3 cr. GenEd Req: Wellness

NUR 4410 - ALTERNATIVE AND COMPLEMENTARY THERAPIES

An overview of complementary and alternative therapies (CAT) will be presented in this course. Individual therapies and their use will be examined. Current research will be analyzed. The impact of cultural diversity on the use of CAT and conflicts with traditional medicine will also be discussed. Credits: 3 cr. GenEd Req: Wellness

NUR 4411 - CASE STUDIES IN NURSING

This course focuses on improving the student's ability to plan and deliver high quality nursing care through the use of patient case studies. These case studies will include all aspects of nursing care and will help enhance the student's critical thinking abilities, improve efficiency with the nursing process and contribute to communication skills. Credits: 3 cr.

NUR 4412 - MENTAL HEALTH CARE: PAST, PRESENT AND**FUTURE**

This course provides an overview of the history and current status of the treatment of the mentally ill in the United States and across the globe. Perspectives on causation and care will be explored, as well as current mental health prevention and promotion strategies. Concepts of prevention and promotion are explored across the lifespan and across cultures with a focus on the mental health of special populations and communities. Credits: 3 cr.

NUR 4413 - NCLEX PREPARATION

This course focuses on improving the student's ability to utilize critical thinking and test-taking strategies to enhance readiness to take the RN licensure exam (CLEX-RN). The structure of the NLCEX-RN Test Plan is explored in depth, with emphasis on client needs and integrated processes. Credits: 1 cr.

NUR 4417 - COMMUNITY NURSING PRACTICE AND PRINCIPLES

This course will provide registered nurses who did not have community health principles in their basic nursing programs with information on aspects of practice unique to functioning in community and public health settings. The course includes theoretical and practice models that are basic to preparing students for the specialty of Community Health Nursing. Student in this course will learn to apply the nursing process to a community client using the Neuman Systems Model. Credits: 3 cr.

NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES

An interdisciplinary, international investigation of health promotion taught from the perspective of various disciplines with an emphasis on issues of nutrition, exercise, health behaviors and motivational theory. It is designed to familiarize students with implementing strategies for health promotion and disease prevention on the personal and community level. Active participation by the student in a health promotion project will be required. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy, Wellness

NUR 4454 - GERONTICS/NORMAL AGING

Provides both theoretical content and interaction with the well-elderly. Assessing and assisting the aging to maintain wellness will be the major focus. Prerequisites & Notes: NUR 3270, NUR 3271 and SOC 1101. Credits: 3 cr.

NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING

A seminar which examines current trends, controversies, questions, and dilemmas of professional nursing. The influence of political, ethical/legal, economic, and societal aspects on nursing practice and education are explored. Prerequisites & Notes: Junior level nursing courses. Credits: 3 cr.

NUR 4465 - RURAL HEALTH ISSUES

The central focus of this course is to define and conceptually explore the essence of rurality and rural health issues. A comparison of the uniqueness of rural health issues will be explored from a global and cultural perspective. Identifying the cross cutting factors that tie rural to urban health care systems will assist the student to develop and understanding of the advocacy role of rural health care providers. Credits: 3 cr.

NUR 4471 - COMMUNITY HEALTH NURSING

Explores the scope of community health nursing considering the multiple frameworks of nursing theory and process, family theory and practice, and public health principles. Emphasis is placed on studying the relationships between individual, family, and community health care needs. Prerequisites & Notes: Junior level courses. Credits: 6 cr.

NUR 4472 - MENTAL HEALTH NURSING

Focuses on the mental health concepts relative to the nursing care of clients. The nursing process is examined and applied primarily with individuals, but also includes families, groups, and communities and takes place in a variety of settings. Emphasis is placed upon the nurse's role of collaboration with other health care professionals in meeting the health care needs of clients at all levels of prevention. Prerequisites & Notes: Junior level nursing courses. Credits: 6 cr.

NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING

Introduces the student to the theoretical foundation for the practice of independent and interdependent nursing by discussing current leadership and management concepts and their relevance to professional nursing practice. Prerequisites & Notes: Prerequisite: junior level nursing courses. Credits: 3 cr.

NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS

Advanced concepts of acute care nursing are applied to complex health problems in clients with multisystem stressors. Prerequisites & Notes: NUR 3370, NUR 3371, NUR 3391 and NUR 3392. Credits: 8 cr.

NUR 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

PHL 1191 - ETHICAL ISSUES IN ALLIED HEALTH CARE

Especially designed for individuals pursuing careers in respiratory therapy and radiology technology. Topics include informed consent, paternalism, professional accountability, access to professional services, policy implications and the control of technology, and the benefits of health-care practices. May not be used as a substitute in the Nursing Program for PHL 3380; not a General Education Humanities course. Credits: 3 cr.

PHL 2200 - CRITICAL THINKING

This course is designed to improve a student's ability to recognize and evaluate arguments and claims as they occur in a variety of contexts, such as editorials, articles, debates, newscasts, speeches, advertisements, and conversations. Logical fallacies, common ways in which arguments go wrong, will be studied, along with the features of good reasoning. Various forms of inductive or informal argumentation will be analyzed, including scientific, legal and everyday reasoning. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities, Information Literacy

PHL 2201 - INTRODUCTION TO PHILOSOPHY

Examines the basic foundational beliefs in the religious, scientific, ethical, and political dimensions of life. Exercises the student's ability to identify his/her own basic beliefs and subject these to critical evaluation. Examples of issues discussed are whether ethical values are relative, the existence of God, the nature of justice, and human freedom. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities

PHL 2202 - CONTEMPORARY MORAL PROBLEMS

Analyzes moral arguments pertaining to difficult contemporary issues, with emphasis on clarifying and evaluating these. Discussion subjects include: abortion, euthanasia, the moral status of animals, the environment, the rights of women and minorities, censorship and pornography, etc. Course goal is to enable the student to assess the strengths and weaknesses of the various positions on each issue. PHL 2202 is suitable as an entry level course in Philosophy. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities

PHL 2259 - PHILOSOPHY OF RELIGION

Analyzes the validity of various proofs of God's existence. Also examines religious language, the difference between faith and reason, the question of religious authority, and the reasonableness of the religious lifestyle. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities

PHL 2350 - PHILOSOPHY AND POPULAR CULTURE

Using a variety of contemporary examples and case studies from American culture, which may change from one course offering to the next, the course will demonstrate Philosophy's relevance in the mainstream popular culture. Course emphasizes development in critical thought, analysis, and communication skills. With instructor's approval, may be repeated for credit. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Humanities, Humanities

PHL 3230 - FORMAL LOGIC

Examines forms of argumentation and formal reasoning, including inductive inference, categorical syllogisms, and propositional logic. In addition to examining both standard and non-standard categorical arguments, this course provides an introduction to symbolic notation, the use of truth tables, and the rules of natural deduction. Required for the Philosophy major. Credits: 3 cr. GenEd Req: Humanities

PHL 3260 - TOPICS IN PROFESSIONAL ETHICS

This course will examine both moral reasoning and ethical principles as they apply to issues and practices in such professions as business, education, law, police work, scientific research, clinical psychology and psychiatry, social work and information technology. Each offering may emphasize different professions or one specific profession. Prerequisites & Notes: PHL 2201 or PHL 2202, or permission of instructor. Credits: 3 cr. GenEd Req: Humanities

PHL 3300 - PHILOSOPHY OF THE ARTS

A detailed survey of both classical and modern aesthetic theories along with a criticism of each. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr. GenEd Req: Humanities

PHL 3305 - PHILOSOPHY AND FILM

Aesthetic, ethical and epistemological issues surrounding the moving image. Topics include: realism, neo-realism, the new wave, feminism and the influence of existential and Marxist philosophies on cinematic theory. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY

An analysis of philosophical concepts and arguments presupposed in social and political discourse. Topics include: liberty and its limits, human rights, economic and social justice, the nature of political obligation and disobedience. Emphasis is on evaluating philosophical theories from both contemporary and historical sources. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 3316 - ENVIRONMENTAL ETHICS

An analysis of philosophical and ethical arguments involving environmental issues. Topics include the nature of rights, models of normative decision-making, and case studies. Credits: 3 cr. GenEd Req: Humanities

PHL 3320 - PHILOSOPHY OF LAW

An analysis of philosophical concepts and arguments presupposed in legal discourse and reasoning. Topics will include: the nature of law and legal decision making; theories of justice, privacy, responsibility and punishment. Emphasis is on examining specific legal cases from both contemporary and historical sources. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 3330 - EASTERN APPROACHES TO REALITY

An examination of the philosophical perspective of the Eastern mind as exhibited in Hinduism, Buddhism, Taoism, Confucianism, and Zen Buddhism. Primary focus is on the difference between the Eastern and Western modes of looking at the world. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness

PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA

Surveys the impact of the development of religious movements, institutions, ideas, practices and values on US and Canadian cultures, politics and society. Credits: 3 cr. GenEd Req: Information Literacy

PHL 3340 - ETHICS

Examines how to make rational decisions in situations with a moral dimension. Examines traditional and contemporary applied problems in ethics, e.g. sexual morality, cheating. Examines the moral implications of various lifestyles. Course goal is to assist students in developing the ability to function as morally autonomous persons. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr. GenEd Req: Humanities

PHL 3345 - NORTH AMERICAN PHILOSOPHIES

Examines some of the major trends in philosophy in the U.S. and Canada, especially pragmatism and idealism. The course will focus on the relation of philosophy to other aspects of the North American experience, e.g. religion, education, economics, politics, and culture. Attention will be paid to the differences between Native American, European American, and African

American traditions. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 3365 - SCIENCE AND VALUES

Examines problems raised by science and technology. Topics will include: the ethics of experimentation; racism and sexism in science; the limits to technological growth; ecological and nuclear disaster; creationism versus evolutionism; ugliness and beauty in a technological environment. This course is geared to both specialists and non-specialists in philosophy or science. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 3380 - HEALTH CARE ETHICS

An examination of the arguments designed to provide solutions to moral problems commonly faced by health care professionals. Topics include: lies to the sick and dying; abortion; euthanasia, privacy and confidentiality, paternalism, and moral theory. Prerequisites & Notes: 45 earned credits or permission of instructor. Credits: 3 cr. GenEd Req: Humanities

PHL 3390 - EXISTENTIALISM

Analyzes this twentieth-century movement which emphasizes human uniqueness and value. Existential themes include freedom, commitment, self-determination, and authenticity. Major philosophers considered are Kierkegaard, Nietzsche, Heidegger, and Sartre. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 3470 - THEORIES OF MIND AND KNOWLEDGE

A study of some of the philosophical theories involved in understanding the nature of the human mind and what constitutes knowledge. Some of the topics or concepts which may be examined are behaviorism, identity theory, folk psychology, functionalism, consciousness, intentionality, belief, justification, skepticism, and artificial intelligence. Attention will be paid to recent developments in neuroscience and the social sciences, especially psychology. Prerequisites & Notes: PHL 2201 or PHL 2202 and 45 earned credits or permission of instructor. Credits: 3 cr.

PHL 4420 - CLASSICAL GREEK PHILOSOPHY

A serious investigation of Western philosophy from the beginning through Aristotle. The relationships between philosophy and other areas of Greek culture are examined. Extended treatments of the pre-Socratics, Plato, and Aristotle are presented. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 4422 - TOPICS IN MODERN PHILOSOPHY

Includes study of the philosophical thought of the early scientists whose investigations culminated in the contemporary scientific method. Philosophers of the 17th and 18th centuries are examined, from Thomas Hobbes to Immanuel Kant. Problem areas of this period are: the mind-body relationship, the possibility of knowledge, perception, and the status of ideas. Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor. Credits: 3 cr.

PHL 4423 - TWENTIETH CENTURY PHILOSOPHY

Analysis of the defining features of major philosophical movements in the twentieth century. The movements which

may be examined include linguistic analysis, logical positivism, pragmatism, philosophy of mind, postmodernism, and feminism. Prerequisites & Notes: PHL 2201 or PHL 2202 and 45 earned credits or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

PHL 4450 - INTERNSHIP

Information can be obtained from Philosophy chairperson. No more than 6 credits count toward the Philosophy major. Credits: 3 - 12 cr.

PHL 4490 - SEMINAR

An intense, supervised investigation of a specialized problem in philosophy or into the writings of a particular philosopher and philosophical movement. Prerequisites & Notes: Prerequisite: PHL 2201 or PHL 2202, and either 45 credits earned or permission of instructor. Credits: 1 - 3 cr. GenEd Req: Information Literacy

PHL 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

PHY 1180 - QUANTITATIVE METHODS FOR THE PHYSICAL SCIENCES

Introduction to the application of mathematical analysis to physical situations. Problem solving using algebraic, statistical, calculus, and computer methods. Prerequisites & Notes: Corequisite: MA 2231. Credits: 3 cr.

PHY 1191 - PHYSICS I

A one-year sequential calculus physics course discussing classical mechanics, fluids, thermodynamics, classical electricity and magnetism, optics and waves, modern physics. Application of physics to life science is made in problem selection and laboratory experimentation. Prerequisites & Notes: Corequisite: MA 2231. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

PHY 1192 - PHYSICS II

Continuation of PHY 1191. Prerequisites & Notes: PHY 1191. Credits: 4 cr. GenEd Req: Natural Sciences

PHY 2210 - GENERAL PHYSICS I

A calculus based, introductory physics course emphasizing classical concepts. Selected topics include: motion, work and energy, gravitation, electricity and magnetism, and electromagnetic waves. Prerequisites & Notes: MA 2231. Corequisite: MA 2232. Credits: 4 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

PHY 2211 - GENERAL PHYSICS II

Continuation of PHY 1191 or PHY 2210. Prerequisites & Notes: Corequisite: MA 2233. Credits: 4 cr. GenEd Req: Natural Sciences

PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE

An advanced treatment of the physical methods used in the investigation of criminal activities. Topics covered include: statistical treatment of data, material properties of matter, ballistics, hair and fiber identification, physical markings, and

spectral analysis. Prerequisites & Notes: CHM 1110, SCI 1104 and SCI 1107. Credits: 3 cr.

PHY 3311 - MODERN PHYSICS I

An introduction to 20th century physics, including the structure of atoms and nuclei, basic ideas of quantum mechanics and solid state theory. Prerequisites & Notes: MA 2233. Corequisite: MA 3311. Credits: 3 cr.

PHY 3312 - MODERN PHYSICS II

Continuation of PHY 3311. Credits: 3 cr.

PHY 3313 - PHYSICAL MECHANICS I

An analytic treatment of classical mechanics covering the methods of statics and dynamics of rigid bodies with application to physical problems; small oscillations, generalized coordinates and Lagrange's equations. Prerequisites & Notes: MA 2233 and PHY 2211. Corequisite: MA 3311. Credits: 3 cr.

PHY 3314 - PHYSICAL MECHANICS II

Continuation of PHY 3313. Credits: 3 cr.

PHY 3315 - ANALOG ELECTRONICS

The basics of analog electronics will be discussed and explored in the lab. Topics covered include: Kirchoff's laws, Thevenin equivalent circuits, time varying signals, filters, diodes, transistors, and amplifiers. Prerequisites & Notes: PHY 2211. Corequisite: MA 3311. Credits: 4 cr.

PHY 3316 - DIGITAL ELECTRONICS

The basics of digital electronics will be discussed and explored in the lab. Topics covered include: binary systems, boolean algebra and logic gates, information registers, memory circuits, and digital microprocessors. Credits: 4 cr. GenEd Req: Information Literacy

PHY 3317 - PHYSICAL OPTICS

Wave phenomena, electromagnetic theory of light, interference, diffraction, polarization and nonlinear optics. Prerequisites & Notes: MA 2233, MA 3311 and PHY 2211. Credits: 3 cr.

PHY 3318 - THERMODYNAMICS

An introduction to thermal physics and kinetic theory. Prerequisites & Notes: MA 2233, MA 3311 and PHY 2211. Credits: 3 cr.

PHY 3319 - INTRODUCTION TO SOLID STATE PHYSICS

A brief summary of the theory underlying the behavior of solids. Emphasis on transport theory, interaction of light and matter, semiconductor devices, superconductors and lasers. Prerequisites & Notes: PHY 3312, MA 2233, and MA 3311. Credits: 3 cr.

PHY 3321 - SELECTED TOPICS I

Any selected topic not sufficiently covered in a general course. Credits: 3 cr.

PHY 4401 - ELECTRICITY AND MAGNETISM I

Foundations of electromagnetic theory including electrostatics, dielectric theory, magnetic properties. Prerequisites & Notes: MA 3311 and PHY 2211. Credits: 3 cr.

PHY 4402 - ELECTRICITY AND MAGNETISM II

Continuation of PHY 4401. Credits: 3 cr.

PHY 4407 - INTRODUCTION TO QUANTUM MECHANICS

An introduction to wave mechanical and axiomatic approaches with simple applications. Prerequisites & Notes: MA 2233, MA 3311 and PHY 3312. Credits: 3 cr.

PHY 4415 - PHYSICS RESEARCH I

Undergraduate physics research project initiated by the student and completed in conjunction with a faculty member. Prerequisites & Notes: Permission of instructor. Credits: 3 cr.

PHY 4440 - PHYSICS PRACTICUM

The physics practicum gives students the opportunity to apply knowledge and skills in physics while working with a private or public agency. The practical experience required augments the physics learned in the classroom. Prerequisites & Notes: Permission of instructor. Credits: 1 - 6 cr. Notes: May be taken for 1 through 6 credits. No more than 3 credits can count towards the major.

PHY 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

An introductory course on the major institutions and processes of the U.S. political system. Topics discussed include the principles of governance, separation of powers, checks and balances, federalism, civil rights and liberties, and policymaking. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Ethics and Civic Responsibility, Social Sciences

PSC 2204 - STATE AND LOCAL POLITICS

Examines the institutions and process of state and local governments. Emphasizes the challenges facing subnational governments and the process and implementation of policymaking. Pennsylvania state government is a particular (but not exclusive) focus. Credits: 3 cr. GenEd Req: Social Sciences

PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS

Focuses on the relationships among nation-states in terms of goals and policies. Takes both a global and a regional perspective of the modern world. Topics discussed include the roles of international organizations, the causes and consequences of conflict, and the proliferation of nuclear, biological, and chemical weapons. Particular attention is given to current foreign policy issues facing the U.S. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Global Awareness, Social Sciences

PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS

An introduction to the comparative study of political systems. Basic themes include the structure, processes, cultures, and policies of representative nations drawn from Europe, the former Soviet Union, and the developing world. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2), Global

Awareness, Social Sciences

PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION

Examines the roles of social and political institutions in shaping political participation and voting behavior as well as how individuals acquire and express political knowledge, attitudes and opinions. Also addresses ways to promote civic engagement. Credits: 3 cr. GenEd Req: Information Literacy, Social Sciences

PSC 3306 - CAMPAIGNS and ELECTIONS

This course focuses on the US electoral process and the actors involved in political campaigns, including political parties and interest groups. It critiques the strategies and tactics of political campaigns. Topics include grassroots organizing, the effect of media, negative campaigns, and campaign finance and electoral reform. Prerequisites & Notes: 3 credits of PSC. Credits: 3 cr.

PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS

Techniques and procedures for processing social science data. Ability to develop and evaluate research report and to judge how findings may be applied to improve political science practices are the primary goals of the course. Previous training in statistics strongly recommended. Credits: 3 cr. GenEd Req: Information Literacy

PSC 3311 - SOCIAL AND POLITICAL PHILOSOPHY

The analysis of philosophical and ethical arguments presupposed in social and political discourse. Topics include liberty and its limits, human rights, economic and social justice, the nature of political obligation and disobedience. Emphasis is on evaluating philosophical theories from both contemporary and historical sources. Prerequisites & Notes: PHL 2201, PHL 2202, or permission of instructor. Credits: 3 cr.

PSC 3312 - CANADA, MEXICO AND THE U.S.

Explores the political systems of these three North American countries in a comparative perspective. Specific focus on political institutions, cultures, processes, policies in each country. Special attention to NAFTA. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy, Social Sciences

PSC 3322 - PHILOSOPHY OF LAW

An analysis of philosophical concepts and arguments presupposed in legal discourse and reasoning. Topics will include the nature of law and legal decision making, theories of justice, privacy, responsibility and punishment. Emphasis is on examining specific legal cases from both contemporary and historical sources. Prerequisites & Notes: PHL 2201, PHL 2202, or permission of instructor. Credits: 3 cr.

PSC 3325 - ADVANCED LEADERSHIP

Provides students with an in-depth understanding of leadership issues and examines the applications of leadership principles to the college environment as well as other settings in the community. Students participate in a campus or community setting where they can study and apply these principles. Prerequisites & Notes: 49 earned credits or permission of instructor. Credits: 3 cr. GenEd Req: Social Sciences

PSC 3328 - INTERNATIONAL POLITICAL ECONOMY

Examines the relationships between politics and economics in the world. Emphasizes the growth and impact of globalization and

interdependence. Special attention to the politics of economic development. Credits: 3 cr.

PSC 3330 - PUBLIC POLICY

Examines the public policy process from issue creation to policy adoption. Focuses on the politics of the policy making process. Credits: 3 cr.

PSC 3348 - NORTH AMERICAN PHILOSOPHIES

Examines some of the major trends in philosophy in the U.S. and Canada, especially pragmatism and idealism. The course will focus on the relation of philosophy to other aspects of the North American experience, e.g., religion, education, economics, politics, and culture. Attention will be paid to the differences between Native America, European American, and African American traditions. Prerequisites & Notes: PHL 2201, PHL 2202 or permission of instructor. Credits: 3 cr.

PSC 3350 - HUMAN RIGHTS and INTERNATIONAL ACTIVISM

Focuses on the promotion and protection of human rights in the international political system. Examines international networks of activists and their effect on international relations. Topics include war crimes, humanitarian intervention, environmental policies, and workers' rights. Prerequisites & Notes: 3 credits of PSC. Credits: 3 cr.

PSC 3357 - SOCIOLOGY OF EDUCATION

Introduces students to the major sociological and political theories and research in the area of education. Students will examine the history and structure of education in the U.S. and how the U.S. compares with other countries. The major focus of the course is to understand why students do and do not succeed in the U.S. educational system. Credits: 3 cr. GenEd Req: Information Literacy

PSC 3377 - LATIN AMERICAN POLITICS

Examines the political systems of the Latin American region in terms of historical, political, economic, and social aspects. Special attention to the idea of political development and change. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

PSC 4401 - TOPICS IN AMERICAN POLITICS

Examines in depth a specific aspect of the American political system, such as interest groups, political parties, the media, political campaigns and elections, or the judicial system. Credits: 3 cr.

PSC 4402 - PRESIDENT AND CONGRESS

Examines the Executive and Congress as both governmental and political institutions, as well as the ongoing relationship between them. Credits: 3 cr. GenEd Req: Information Literacy, Social Sciences

PSC 4404 - COURTS AND THE CONSTITUTION

Examines general principles of the U.S. constitutional system and the role of the judiciary in interpreting individual rights. Credits: 3 cr. GenEd Req: Information Literacy

PSC 4412 - TOPICS IN COMPARATIVE POLITICS

Examines in depth the government and politics of a particular country or group of countries (e.g. Canada, Communist systems, developing countries, the European Community). Credits: 3 cr.

GenEd Req: Global Awareness

PSC 4415 - U S FOREIGN POLICY

Examines the content and process of U.S. foreign policy since 1900. Emphasis is on interests, objectives and strategies in key regions as well as domestic forces and constraints. Credits: 3 cr. Dual Listed/Cross Listed: SOC 4415.

PSC 4430 - GLOBAL DEMOCRATICIZATION

Examines the concepts related to democratic theory, early forms of democratic practices, the development of democracy in Europe and the U.S., and the spread of democracy worldwide. Special attention given to why and how countries become – or fail to become – democratic. Credits: 3 cr. GenEd Req: Global Awareness

PSC 4450 - INTERNSHIP

Designed to give actual experience in the work of an agency and an understanding of the agency's position in the community. Further, the intern should become aware of the agency's philosophy and goals, the formal and informal organization of the agency, and the role for the agency in the political system. Credits: 1 - 15 cr.

PSC 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Designed to familiarize students with the application of scientific psychology to human life. Emphasis is on "normal" behavior and its antecedents. Includes the study of broad categories of human behavior through various psychological models. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Information Literacy, Social Sciences

PSY 1151 - ORIENTATION TO PSYCHOLOGY

Intended for students who have recently become or are seriously considering a psychology major. Will focus on assessing initial skill levels, career choices and planning, critical skills and experiences that may be required for entry into the workforce or graduate study; department policies and procedures; and writing style requirements of the American Psychological Association (APA). Prerequisites & Notes: Co-requisites: PSY 1101. Credits: 3 cr.

PSY 2201 - PSYCHOLOGICAL ASSESSMENT

An introduction to the assessment of human behaviors in clinical-counseling, educational, and organizational settings. Emphasis is placed on teaching students to be informed consumers and critical thinkers regarding the development and use of psychological tests and assessments. Prerequisites & Notes: PSY 1101. Credits: 3 cr. GenEd Req: Social Sciences

PSY 2206 - RESEARCH METHODS I

A practical, skills-based introduction to research methods in psychology including the scientific method, experimental design, survey construction, data collection, and data analysis. Students will be exposed to a variety of computer programs including

Excel, SPSS, and Survey Pro as well as information technology resources including PILOT, PsychInfo, EBSCOhost, and Web search engines. Prerequisites & Notes: PSY 1101 or PSY 1151. Credits: 3 cr. GenEd Req: Information Literacy

PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS

This survey course covers the psychological dynamics of the family as a unit, parent-child interactions, the effect of developmental events on the psychology of the family, divorce, single parent families, etc. Class discussion and videotapes are used to illustrate these concepts. Credits: 3 cr. GenEd Req: Global Awareness, Social Sciences, Wellness

PSY 2212 - HUMAN SEXUALITY

Provides a survey of scientific findings and contemporary perspectives in the area of human sexuality. Covers cultural, psychological, emotional, physiological, and developmental aspects of human sexuality and the information needed to help students make responsible decisions concerning their own sexuality and sexual behavior. Credits: 3 cr. GenEd Req: Social Sciences, Wellness

PSY 2421 - DEATH AND DYING

Provides an overview of the psychological aspects of death and dying in our society. Topics include attitudes toward and preparation for death, the terminally ill patient, funeral rituals and burial, mourning and grief, and suicide and euthanasia. Classroom material is supplemented by the student's self-exploration and writing on feelings, attitudes, and beliefs about death. Prerequisites & Notes: PSY 1101. Credits: 3 cr. GenEd Req: Global Awareness and Wellness

PSY 3290 - LIFE SPAN DEVELOPMENT

Surveys empirical findings regarding the interactive aspects of human behavioral development from conception through old age. Includes examination of major theories regarding physical, social, emotional, and mental development. Emphasizes normal development as it is experienced at each stage of human life span. Prerequisites & Notes: PSY 1101 or permission of instructor. Credits: 3 cr. GenEd Req: Social Sciences

PSY 3292 - CHILD PSYCHOLOGY

Surveys theories and empirical findings regarding the interactive aspects of human behavioral development from conception through pre-adolescence. Examines major findings regarding physical, social, emotional, and mental development. Emphasizes normal development as it is experienced at each stage of the childhood years before adolescence. Credits: 3 cr. GenEd Req: Social Sciences

PSY 3300 - HELPING SKILLS

Designed to help students develop effective listening and interpersonal skills for conducting counseling. The primary emphasis of this course is on (1) the application of counseling and psychological theory to actual casework and (2) the development of counseling skills through observing and conducting peer counseling sessions. Prerequisites & Notes: PSY 1101 and upper division standing. Credits: 3 cr.

PSY 3301 - THEORIES OF COUNSELING

Considers the major theories of psychological treatment and behavior change. The major theories covered include:

psychodynamic, humanistic, behavior, cognitive, and family systems therapies. Emphasis is placed on student understanding of conceptual bases of dominant counseling models. Prerequisites & Notes: PSY 1101 and upper division standing. Credits: 3 cr. GenEd Req: Information Literacy

PSY 3306 - RESEARCH METHODS II

Research methods II is a hands-on application of the material introduced in Research Methods I. Students in this course will conceptualize, design and conduct independent research projects. From data collected during this semester students will learn to present their research findings in a organized and coherent manner. Research designs covered in this course will range from survey to true experimental designs. Considerable attention will be paid to the conducting of ethical research. Prerequisites & Notes: PSY 1101 and PSY 2206. Credits: 3 cr.

PSY 3306L - RESEARCH METHODS LAB

Research Methods Lab. Credits: 1 cr. Dual Listed/Cross Listed: PSY 3306.

PSY 3309 - STEREOTYPING AND PREJUDICE

This course addresses social psychological research examining stereotyping, prejudice, and discrimination. Attention is focused on the development, maintenance, use, and reduction of prejudice and stereotypes. The impact and psychological consequences of stereotyping and prejudice for their victims also are examined. Prerequisites & Notes: PSY 1101. Credits: 3 cr.

PSY 3310 - SOCIAL PSYCHOLOGY

Covers the individual aspects of social behavior. Attention is focused on problems in perception, thinking, and motivation. The following topics are examined: theories of person perception, attitude formation, personality structure, motivational determinants of group membership and social conformity, social roles and leadership. Prerequisites & Notes: PSY 1101. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS

Basic principles of small group process are examined through didactic and experiential approaches. Applications in various settings are examined. Prerequisites & Notes: PSY 1101. Credits: 3 cr.

PSY 3312 - DEVIANT BEHAVIOR AND SOCIAL PROCESS

Psychological theories of deviant behavior are studied. Major areas include: sexual deviations, prostitution, juvenile delinquency, suicide, obesity, drug addiction, etc., and the various treatment modalities. Prerequisites & Notes: PSY 1101. Credits: 3 cr. GenEd Req: Global Awareness

PSY 3315 - HUMAN RESOURCE MANAGEMENT I

Introduces the field of Human Resource Management (HRM). Covers strategic management and HRM, the legal context, measurement of job content, recruiting, selection, and human resource development. Prerequisites & Notes: PSY 1101. Credits: 3 cr. Notes: May be taken before or after PSY 3316.

PSY 3316 - HUMAN RESOURCE MANAGEMENT II

Continues coverage of the field of Human Resource Management (HRM). Topics include performance management, terminations, workplace safety and health (OSHA), workplace violence, health

information privacy issues, job design, organization development, and international HRM. Prerequisites & Notes: PSY 1101. Credits: 3 cr. Notes: May be taken before or after PSY 3315.

PSY 3321 - ADOLESCENT PSYCHOLOGY

An overview of research, theory, and trends in the study of adolescence as a stage in human development from the onset of biological pubescence to the transition to young adulthood. Consideration of the multiple and interacting influences on adolescent development and behavior is a major focus of the course. Prerequisites & Notes: PSY 1101. Credits: 3 cr. GenEd Req: Social Sciences

PSY 3324 - ADULT DEVELOPMENT AND AGING

Addresses the study of trends in human development from the transition to early adulthood, through senescence, to death. Examines the social, biological, cognitive, and personality components of the aging process. Emphasizes variations in psychological adaptations to personal changes and role transitions during the adult years. Prerequisites & Notes: PSY 1101 or permission of instructor. Credits: 3 cr.

PSY 3325 - ADVANCED LEADERSHIP

Provides students with an in-depth understanding of leadership issues and examines applications of leadership principles to the college environment as well as other settings in the community. Students will participate in a campus or community setting where they can study and apply these principles. Credits: 3 cr. GenEd Req: Social Sciences

PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT

This course provides a current overview of stress and stress-related dysfunction. Techniques for managing stress are emphasized through demonstration and student participation. Prerequisites & Notes: PSY 1101 and 49 earned credits or permission of instructor. Credits: 3 cr.

PSY 3350 - LEARNING AND COGNITION

This course will provide students with an in-depth study of learning theory and theories of human cognition. Topics covered in this course will include classical and operant conditioning, behavior modification, memory, attention, problem solving, concept formation, and language. Prerequisites & Notes: PSY 1101 and PSY 2206. Credits: 3 cr.

PSY 3350L - LEARNING AND COGNITION LABORATORY

The lab will allow students to apply their knowledge of learning theory and cognition. Students will engage in supervised research projects that will involve the demonstration of learning principles and applied cognitive psychology. Prerequisites & Notes: Co-requisite: PSY 3350. Credits: 1 cr.

PSY 3353 - CAREER PLANNING

An opportunity for Psychology majors to explore career, graduate school and field placement possibilities in their concentration area prior to selecting an internship or completing capstone experiences in the major. Required for all majors: may be taken in lieu of PSY 1151 for students entering the major with more than 45 semester hours completed. The course meets weekly (7 weeks) in the first half of the semester. Prerequisites & Notes: PSY 1151 or 45 earned credits. Credits: 1 cr. Notes: It may be taken in the same semester as PSY 3352.

PSY 3355 - HEALTH PSYCHOLOGY

This course examines relationships that exist between our behavior, our environment, and health and disease. Specific areas of review include the psychology of physical activity, smoking cessation, weight-control, stress-disease links with cancer and cardiovascular disease, and models of health care seeking behaviors. Laboratory exercises further explore aspects of health and disease affected by social and behavioral conditions. Prerequisites & Notes: PSY 2206 or permission of instructor. Credits: 4 cr.

PSY 3391 - PSYCHOLOGICAL DISORDERS

Provides an introduction to the history of psychological disorders as well as an overview of the symptoms, causes, and treatments of psychological disorders. Emphasis is placed on the biopsychosocial model of psychological disorders. Prerequisites & Notes: PSY 1101. Credits: 3 cr. GenEd Req: Social Sciences

PSY 4406 - INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY

This course provides an introduction to the field of clinical neuropsychology including the study of the human brain and a variety of neurological disorders. Students explore a variety of different disorders and will be introduced to neuropsychological assessment techniques. This course is particularly useful for pre-med, nursing, biology, and psychology students. Prerequisites & Notes: PSY 1101 or BSC 1104 or permission of instructor and 49 earned credits. Credits: 3 cr.

PSY 4415 - LABOR RELATIONS

Labor relations are part of the organizational landscape in manufacturing, service, government, and professional sports. This course examines the history of unions, the organizing process, roles of both parties in contract negotiation and administration, strikes and conflict resolution, grievances, and arbitration processes. Prerequisites & Notes: PSY 1101. Credits: 3 cr.

PSY 4416 - COMPENSATION & BENEFITS

Introduces participants to current issues and techniques in compensation and benefits. Coverage includes the legal context for compensation, job evaluation and point factor systems, construction of compensation surveys, pay for performance systems, workers' compensation, Social Security, unemployment insurance, ERISA and retirement plans and issues in executive compensation. The course emphasizes conceptual, social, and practical issues related to the development of an administration of compensation systems. Prerequisites & Notes: PSY 1101. Credits: 3 cr.

PSY 4422 - PSYCHOLOGY OF WOMEN

Designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies. Areas covered include feminist scholarship and research; gender socialization, women's biology and health; sexuality, relationships and family; and work, career, and power issues. Students taking the course for graduate credit (PSY 5522) are required to complete an independent research project. Prerequisites & Notes: PSY 1101. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

PSY 4430 - THEORIES OF PERSONALITY

Considers major personality theories ranging from psychoanalytic to humanistic and behavioral models. Papers and discussion concentrate on examining merits and limitations of various theories. Prerequisites & Notes: PSY 1101 and 49 earned credits. Credits: 3 cr.

PSY 4441 - FORENSIC PSYCHOLOGY

Introduces the role of psychologists in the legal system. Assignments examine and evaluate assumptions made by the legal system about psychological and scientific issues. This approach serves as a framework for considering specific psycho-legal issues. Students study issues pertaining to jury trials, the insanity plea, punishment and sentencing issues, the rights of children, and other important questions. Prerequisites & Notes: PSY 1101 and 49 earned credits. Credits: 3 cr. GenEd Req: Information Literacy

PSY 4445 - ADVANCED COUNSELING TECHNIQUES

Provides advanced training in counseling skills for students in the helping professions (nursing, social work, counseling/clinical psychology, criminal justice, etc.). Emphasis placed on diagnosis and treatment of clients requiring long-term intervention. Special emphasis will be placed on diagnosis and treatment of personality disorders. Prerequisites & Notes: PSY 3391 and PSY 3300 or permission of instructor. Credits: 3 cr.

PSY 4490 - SENIOR SEMINAR

In this course senior psychology majors explore their strengths and weaknesses and review the knowledge and skills they have acquired as a psychology major. Students are directed toward understanding how their skill sets and personal preferences may be successfully applied after completion of the B.S. degree (work or graduate school). Additionally, students submit a portfolio of their work while at Mansfield and complete a research-based seminar paper. Prerequisites & Notes: Senior standing or permission of instructor. Credits: 3 cr. GenEd Req: Information Literacy

PSY 4495 - INTERNSHIP

Provides practical experience and beginning professional skills to selected students. This is an internship that will focus on applied skills, community service, or research work in settings appropriate to student's interests and curriculum, including mental health and other human service programs, hospitals, human resource offices, and industrial or governmental agencies. The goal is to relate theoretical learning to practical applications. Prerequisites & Notes: Prerequisite: At least junior standing as a psychology major and approval of department faculty. Credits: 6 - 12 cr. Notes: May be taken for 6 through 12 credits. Letter grades (A-F) will be assigned.

PSY 4496 - RESEARCH APPRENTICESHIP

Provides students with intensive experiences in empirical research under close supervision. Qualified students become involved in ongoing research projects, working with experienced researchers. Students are encouraged to serve their apprenticeship at other campuses or institutional settings. Credits: 1 - 15 cr. Notes: May be taken for 1 through 15 credits.

PSY 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

REC 1200 - INTRODUCTION TO OUTDOOR RECREATION

An introduction to the broad range of skills and knowledge needed by recreation professionals, especially as related to leadership of outdoor activities. Topics include: The inherent value of recreation, trends and growth in the field, the role of the public and private sectors, proper training of new guides, marketing recreational opportunities and case studies. Credits: 3 cr. GenEd Req: Professional Elective

REC 1310 - ROCK CLIMBING

Covers the broad range of activities concerned with rock climbing, with an emphasis on climbing skills, technical skills with ropes and hardware, and safety. Participation in weekend and off-campus sessions is required. Credits: 1 cr. GenEd Req: Wellness

REC 1320 - MOUNTAIN BIKING

Cover the broad range of activities concerned with mountain biking, with an emphasis on riding skills, maintenance, and safety. Participation in weekend and off-campus sessions is required. Credits: 1 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability, Wellness

REC 1330 - RIVER GUIDING

Cover the broad range of activities concerned with river guiding, with an emphasis on river hydrology and navigation, safety and risk management, technical skills, and trip organization. Weekend and off-campus sessions required. Course includes a guided raft trip. Credits: 1 cr. GenEd Req: Wellness

REC 1340 - KAYAKING AND CANOEING

Cover the broad range of activities concerned with kayaking and canoeing, with an emphasis on skills and safety. Participation in weekend and off-campus sessions is required. Credits: 1 cr. GenEd Req: Wellness

REC 1550 - NATURE PHOTOGRAPHY

Covers nature photography using digital cameras with an emphasis on tools and techniques for beginners. Topics include: lighting; macro and telephoto photography; photographing landscapes, plants and animals, water, and people. Participation in weekend and off-campus sessions is required. Credits: 1 cr. GenEd Req: Wellness

REC 1560 - OBSERVING ANIMALS

Covers the various skills, tools, and techniques necessary to successfully guide guests to observe wild animals in their natural setting. Will focus on animals native to Pennsylvania and to the forested regions of the northeastern United States. Topics include: using a field guide, habitat associations, animal activity patterns, animal signs and tracks, vocalizations and calling, animal body language, blinds and camouflage. Participation in weekend and off-campus sessions is required. Credits: 1 cr. GenEd Req:

Wellness

REC 1570 - EDIBLE/MEDICINAL PLANTS

Students will learn the historical/cultural background for the use of edible and medicinal plants, especially those native to Pennsylvania. They will learn to identify and prepare many of the more commonly used species plus receive pointers on conveying this information to the general public. Although designed for nature tourism guides, this class is appropriate for anyone interested in the topic. Participation in weekend and off-campus sessions is required. Credits: 1 cr. GenEd Req: Wellness

REC 3020 - PRACTICUM

An out-of-class learning experience that allows students to observe or participate in applied work. Practicums are graded S or U - they do not affect GPA. Prerequisites & Notes: Permission of instructor. Credits: 1 - 5 cr. Notes: May be repeated for a total of five credits.

REC 3100 - LEADING OUTDOOR RECREATION TRIPS

Course covers the elements required for successful outdoor trips: trip organization, group dynamics, safety and risk management, interpretation of the cultural and natural environment, and outdoor ethics. Prerequisites & Notes: REC 1200. Credits: 3 cr.

REC 3700 - RECREATION MANAGEMENT IN PUBLIC AND PRIVATE SECTORS

Covers management of outdoor recreation organizations in both the private and public sector. Marketing, budgets and finances, risk management, trip organization and logistics, and community relations are among the major topics covered. Prerequisites & Notes: REC 1200. Credits: 3 cr.

REC 4496 - INTERNSHIP

Offers practical work experience and the opportunity to apply and to further develop appropriate skills. All internships will be grades S or U - they do not affect your QPA. Prerequisites & Notes: Permission of instructor. Credits: 6 - 12 cr.

RPL 1102 - INTRODUCTION TO REGIONAL PLANNING

Examines regional planning as a tool for shaping the future man-made and natural environment. Introduces man/land relationships that affect community well-being, the tools used by government in managing these relationships for public benefit; and programs, politics, and activities required in recent planning legislation. Credits: 3 cr. GenEd Req: Professional Elective

RTH 1101 - FUNDAMENTALS OF RESPIRATORY CARE I

An examination of respiratory system anatomy and physiology, medical gas physics, chest radiology, and the principles of electrocardiography. A self-study module in medical terminology is included. Prerequisites & Notes: BSC 1121, BSC 1122, MA 1128, CHM 1101 each with a grade of at least "C" and a cumulative grade point average of at least 2.3. Credits: 3 cr.

RTH 1102 - FUNDAMENTALS OF RESPIRATORY CARE II

Classroom instruction and laboratory practice of fundamental respiratory care assessment and therapeutic procedures. Topics include physical examination of the patient, bedside pulmonary function tests medical gas therapy, aerosol therapy, airway pharmacology, lung expansion therapy, airway clearance therapy, airway management, and infection control. Prerequisites &

Notes: BSC 1121, BSC 1122, MA 1128 and CHM-1101 each with a grade of at least "C" and a cumulative grade point average of at least 2.3. Credits: 4 cr.

RTH 1111 - PULMONARY FUNCTION TESTING

This course covers lung function in health and disease. Techniques used to measure lung function are discussed and demonstrated. The student is instructed in the interpretation of pulmonary function tests. Prerequisites & Notes: BSC 1121. Co-requisite: RTH 1101. Credits: 2 cr.

RTH 1112 - ARTERIAL BLOOD GASES

This course covers the sampling and analysis of arterial blood and the interpretation of test results. Majors only. Prerequisites & Notes: BSC 1121, BSC 1122, CHM 1101 and MA-1128 with a grade of at least "C" and a cumulative GPA of at least 2.3. Co-Requisite: RTH 1101 Credits: 1 cr.

RTH 2204 - PHARMACOLOGY

Examines the action and uses of pharmacologic agents. Emphasis is on drugs used in the diagnosis and treatment of cardiac and pulmonary disease, and includes the calculation of dosages and solutions. Credits: 2 cr.

RTH 2207 - PULMONARY DISEASE

Introduction to common pulmonary disorders and their management. Topics include chronic obstructive pulmonary disease, restrictive pulmonary disorders, infectious pulmonary disease, pulmonary vascular disease, pulmonary pathology due to trauma, neonatal cardiopulmonary disease, and pediatric pulmonary disease. Prerequisites & Notes: BSC 1122. Credits: 2 cr.

RTH 2208 - PERINATAL/PEDIATRIC RESPIRATORY CARE

Examines respiratory physiology and pathophysiology relevant to the newborn and pediatric patient. The principles, techniques, and equipment relied upon in providing respiratory care to this age group are identified and demonstrated. Prerequisites & Notes: RTH 1102. Credits: 2 cr.

RTH 2211 - MECHANICAL VENTILATION

Classroom instruction and laboratory practice in the management of patients requiring continuous mechanical support of ventilation. Prerequisites & Notes: RTH 1102. Credits: 4 cr.

RTH 2212 - ADVANCED CARDIOPULMONARY CARE

Examines cardiovascular problems, advanced cardiopulmonary monitoring techniques, special procedures, pulmonary rehabilitation, and home care. Prerequisites & Notes: RTH 2211. Credits: 3 cr.

RTH 2221 - CLINICAL PRACTICUM I

An introduction to fundamental assessment and therapeutic procedures provided to patients in the hospital setting. Each student will have a weekly half-day rotation to the clinical site for observation and hands-on experience treating patients in the critical and non-critical care areas of the hospital. Prerequisites & Notes: BSC 1121 and BSC 1122 with a grade of at least "C" and a grade point average of at least 2.3. Credits: 1 cr.

RTH 2222 - CLINICAL PRACTICUM II

The student will practice the administration of fundamental respiratory care procedures to patients in the hospital under the

supervision of experienced respiratory therapists. Prerequisites & Notes: RTH 2221 with a grade of at least "C." Credits: 3 cr.

RTH 2223 - CLINICAL PRACTICUM III

The student will demonstrate competence in the administration of fundamental respiratory care procedures and begin practicing more advanced respiratory care procedures in the critical care units and diagnostic laboratories. Prerequisites & Notes: RTH 2222 with a grade of at least "C." Credits: 5 cr.

RTH 2224 - CLINICAL PRACTICUM IV

The student will demonstrate competence in the administration of advanced respiratory care procedures in the critical care units and diagnostic laboratories. Rotations to specialty care facilities are included. Prerequisites & Notes: RTH 2223 with a grade of at least "C." Credits: 6 cr.

RUS 1101 - INTRODUCTORY RUSSIAN I

Oral alphabet drill, written alphabet drill, study of specific letters and sounds, pronunciation and orthography, personal pronouns, present tense, first conjugation verbs, accusative of personal pronoun questions, indirect questions and negation, present tense, second conjugation verbs, reflexive verbs, gender of nouns, accusative of nouns (direct objects), verbs of going, months and years with numbers, prepositional case of nouns, possessive pronouns/adjectives. Prerequisites & Notes: Prerequisite: proven foreign language ability. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 1102 - INTRODUCTORY RUSSIAN II

Dative case of pronouns, double negatives, conjunctions. Noun plurals, stress shift in plurals, geographical information, expressions with dative, demonstrative pronouns, adjectives, superlative degree, past tense, future tense, accusative of adjectives/possessive pronouns, relative pronouns, partitive genitive, instrumental case with prepositions. Prerequisites & Notes: RUS 1101. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 2201 - INTERMEDIATE RUSSIAN I

The perfective and imperfective aspect of verbs, dates and the negative case, dative case of nouns, adjectives and pronouns, instrumental case without prepositions, relative pronouns, partitive genitive, passive voice, instrumental case with prepositions, masculine nouns with stressed endings, genitive plural, adjectives modified by numbers, dative, instrumental and prepositional plural, indefinite pronouns, adjectives and adverbs, comparative degree of adjectives and adverbs, reading of simple texts. Prerequisites & Notes: RUS 1101 and RUS 1102 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 3370 - FOREIGN STUDY - CREDIT ARRANGED

Open to students who wish to study abroad. Plans for foreign study should be presented at least one semester prior to departure. Number of credits granted will be based upon validated credentials presented to the department. The student should register for RUS 3370 - RUS 3380 prior to departure. Students should consult the regulations for study-abroad available in the Office of the Provost/Vice President for Academic Affairs. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 3371 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 3372 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 3373 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 3374 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

RUS 3375 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description. Credits: 1 - 3 cr. GenEd Req: Global Awareness, Language and Literature

SCI 1104 - FORENSIC SCIENCE

Forensic science is the application of science to law. This course will study the collection and identification of materials used as evidence. This will include an understanding of their physical and chemical nature and origins at the crime scene. Further, the student will utilize the collected evidence to suggest scenarios for crime scenes. Credits: 3 cr. GenEd Req: Natural Sciences

SCI 1107 - PHYSICAL SCIENCE I

An introduction to astronomy, forces and motion, and energy. Students will often construct laboratory apparatus from readily available sources to make physical measurements. This general education course is particularly suitable for elementary education majors. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

SCI 1108 - PHYSICAL SCIENCE II

An introduction to the atom, chemistry, electricity and magnetism, sound, and light. Students will often construct laboratory apparatus from readily available sources to make physical measurements. This general education course is particularly suitable for elementary education majors. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Natural Sciences

SCI 3270 - NANOTECH LAB EXPERIENCE

An intensive nanotechnology laboratory experience. Topics covered include: material safety and equipment; basic nanotechnology processes; thin film deposition; lithography; materials modification; and device characterization, packaging, and testing. Prerequisites & Notes: Permission of Nanotechnology Coordinator required. Credits: 18 cr.

SCI 4400 - SPECIAL TOPICS IN SCIENCE EDUCATION

This is a course for one to three credits for practicing teachers and for graduate and undergraduate students who are enrolled in education programs. The course may focus on one or more physical science topics, but content, activities, and methods will be treated with equal importance for a variety of classroom settings. The information, ideas, and activities obtained will be timely and useful to teachers in their classrooms. Credits: 1 - 3 cr.

SOC 1101 - INTRODUCTION TO SOCIOLOGY

Introduction to the basic concepts, premises, and techniques involved in the scientific approach to the study of human societies. Analysis is made of selected aspects of social behavior at interpersonal, intergroup, and societal levels. Global perspectives are explored. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Global Awareness, Social Sciences

SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

A survey of the major problems in contemporary society with special attention to the major paradigms (conflict, functionalist, interactionist) that are used to interpret the formation of social policy and social movement. Special focus is on social and economic justice and populations at risk globally and locally. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Ethics and Civic Responsibility, Global Awareness, Information Literacy, Social Sciences

SOC 2200 - AMERICAN MINORITIES

An investigation of the individual and group processes by which the U. S. has been peopled and of the resulting racial, religious, and ethnic communities. Consideration will be given to the similarities and differences in the values and experiences of a variety of groups and to the relative strength of tendencies toward assimilation and toward preservation of distinguishing characteristics. Credits: 3 cr.

SOC 2203 - TELEPHONE SURVEY RESEARCH

Provides training in applied social research. Students are directly involved in constructing an interview schedule, selecting a sample, conducting telephone interviews, coding and analyzing data, and writing a report. Prerequisites & Notes: SOC 1101, PSY 1101 or ANH 1101. Credits: 3 cr. GenEd Req: Information Literacy, Social Sciences

SOC 2232 - AMERICAN FAMILY SYSTEMS

An examination of the diversity of marriage and family life in American society as reflected in changing social conditions and social policies. Focus is given to social and economic justice and populations at risk, including the identification and function of values, norms, and codes relevant to marriage and family decision making. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Social and Behavioral Sciences, Social Sciences

SOC 2260 - SOCIAL STRATIFICATION

This general education course provides an introduction to the study of social stratification in the United States of America and around the world. Students will investigate the dimensions of inequality among social positions; analyze the means by which individuals, groups and countries attain unequal rank, and critique theories of this intersection of class, race, gender and country. Explores the problems associated with theorizing about and measuring social class. Credits: 3 cr. GenEd Req: Global Awareness, Social Sciences

SOC 3280 - SOCIOLOGY OF DEVIANT BEHAVIOR

Explores sociological theories and research on deviant behavior. Emphasis is on understanding the social construction of what is considered deviance in society, the social patterns behind deviant behavior within society, and how deviance is a necessary part

of society. Major and minor forms of deviant behavior will be explored using these perspectives. Credits: 3 cr.

SOC 3301 - ORGANIZATIONAL BEHAVIOR

Overview of the major concepts, theories, and research findings in the field of organizational behavior. Examines the sociological analysis of organizations in modern society, the social dimensions of high performance organizations, and how to direct and lead individuals, groups and organizations. Credits: 3 cr.

SOC 3305 - SOCIOLOGY OF RELIGION

Analysis of the interrelationships between religion and other aspects of society, particularly with reference to the problems of order and change. Credits: 3 cr. GenEd Req: Global Awareness, Social Sciences

SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION

Examines the basic relationship of research with social theory, the challenges of defining a problem for study, the selection of an appropriate sample, and the challenges faced in using various techniques to collect data from a sample. Careful consideration is given to the ethical issues that arise in the conduct of research. Credits: 3 cr. GenEd Req: Information Literacy

SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS

Covers how social scientists handle quantitative data. Reviews the scientific method, causality, the types of variables encountered in social research, and how data informs social theory. The focus is on learning basic techniques for describing social science data and testing for relationships between variables. Includes training in statistical software package and student-driven applied research projects; thus previous training in statistics strongly recommended. Credits: 3 cr. GenEd Req: Information Literacy

SOC 3310 - SOCIOLOGY OF SEX AND GENDER

This course introduces major sociological concepts, theories, and perspectives about gender and sex. The main purpose of this course is to explore how society and culture work together to shape our lives and our gender identities. The course will explore the relationship between gender and major social institutions, such as family and economy. This will examine how culture, economy, and education, maintain, reproduce, and change gender roles within the United States and across the world. Prerequisites & Notes: 24 earned credits. Credits: 3 cr. GenEd Req: Global Awareness, Social Science

SOC 3320 - SOCIOLOGY OF GLOBALIZATION

Globalization is profoundly remaking social structure and transforming the lives of people in every corner of the planet. The objective of this course is to survey the distinct themes sub-areas that make up the sociology of globalization. These include: theories of globalization; the global economy; political globalization; globalization and culture; transnational civil society/transnational social movements; globalization and gender/race/ethnicity; and transnational migration, etc. Credits: 3 cr.

SOC 3322 - SOCIOLOGY OF AGING

Analyzes the influence of social interaction upon the process, stages, and problems of aging, particularly of older age.

Student-conducted oral history is utilized not only as a catalyst for intergenerational understanding and respect, but also as a therapeutic social work technique designed to enhance the self-image of older people by having them look back over their personal histories and through that process help them to meet the human need to attain a self-appreciation of the validity and significance of their lives. Credits: 3 cr. Dual Listed/Cross Listed: SOC 5522. GenEd Req: Social Sciences

SOC 3336 - POLITICAL SOCIOLOGY

Covers the intersection of sociology and politics. Investigates the development of policy issues, people's reactions and responses to them, and resolution of the issues in the public arena. Focuses on the dynamics of power and influence in the social relations: who has power, who does not, and why. Credits: 3 cr.

SOC 3350 - SELECTED TOPICS SEMINAR

Review of a specialty area in anthropology, sociology or the study of a problem from an interdisciplinary position. Prerequisites & Notes: Upper division standing and permission of instructor. Credits: 1 - 6 cr. Notes: May be taken for 1 through 6 credits.

SOC 3357 - SOCIOLOGY OF EDUCATION

This course is designed to introduce students to the major sociological theories and research in the area of education. Students will examine the history and structure of education in the U.S. and how the U.S. compares with other countries. Understanding who makes it and who doesn't in the U.S. education system and why, is the major focus of the course. Credits: 3 cr. GenEd Req: Information Literacy

SOC 3360 - SOCIOLOGY OF MEDICINE

This course includes the sociological study of physical health and illness, therapy, rehabilitation, and the organization of health care systems in the United States. It examines help-seeking behaviors, utilization of health care services, issues of bioethics, and the roles of health care service providers all from the sociological perspective. Race, class, and gender stratification within the health care system will also be explored. Prerequisites & Notes: SOC 1101. Credits: 3 cr. GenEd Req: Social Sciences

SOC 3365 - DISABILITY AND SOCIETY

This course examines the influence of societal structure in the socialization of persons with disabilities. It examines various perspectives to view disability. Students also learn the complexity and diversity of sociological issues surrounding disability, including those arising from the family, parenting, school, workplace and society, as well as social movements related to disability and other socialization issues. Prerequisites & Notes: 30 earned credits. Credits: 3 cr. GenEd Req: Social Sciences

SOC 3370 - SOCIOLOGY OF CHILDHOOD

This course explores the nature of childhood and the development and socialization of children from infancy through adolescence. Through course readings, assignments, and discussions, the course will cover the agencies and social forces that shape children. This course will incorporate the perspective, which rather than assuming that children are passive participants starts from the assumption that children are active participants who both shape and are shaped by their social world. The course will also address the future of childhood which might be especially beneficial to current or future policy makers. Prerequisites & Notes: 30 earned credits. Credits: 3 cr. GenEd Req: Social Sciences

SOC 4415 - AMERICAN VALUES IN CONFLICT

Analyzes American values and values conflicts from a sociological perspective, placing such values and conflicts within a context of ideological orientation, ethnic/racial and social class diversity, group interaction, socio-cultural change, and societal policy. Credits: 3 cr. GenEd Req: Social Sciences

SOC 4441 - ORGANIZATIONAL INTERNSHIP

Provides experience in the regular activities of a business, government agency, or social service organization. Students will prepare an analysis of the organization's role system and its real or potential area of stress. Prerequisites & Notes: Permission of instructor; SOC 3301 strongly recommended. Credits: 6 - 15 cr.

SOC 4480 - SOCIAL SCIENCE THEORY

Course examines classical theorists who have contributed to the development of sociology and anthropology. Students review the historical, societal and intellectual situation surrounding the classical theorists, the linkages between their work, their backgrounds, and the major contributions that they have provided. The role of theory in the process of conducting social science research is illuminated. Prerequisites & Notes: 12 semester hours of Sociology courses or permission of instructor. Credits: 3 cr.

SOC 4495 - SENIOR SEMINAR

This course provides Sociology and Anthropology majors an opportunity to integrate their learning experiences. Two aspects of these learning experiences will be demonstrated through 1) career-oriented learning applications and 2) academic learning applications. Students will create a portfolio and a capstone paper and do a professional presentation in the chosen focus area. Prerequisites & Notes: 60 earned credits. Credits: 3 cr.

SOC 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

SPA 1101 - INTRODUCTORY SPANISH I

For students who have not previously studied Spanish. Fundamentals of grammar, intensive drill in pronunciation, comprehension, and speaking. Two hours language laboratory required weekly. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

SPA 1102 - INTRODUCTORY SPANISH II

Continuation of SPA 1101, two hour language laboratory weekly. Prerequisites & Notes: SPA 1101 or equivalent. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

SPA 2201 - INTERMEDIATE SPANISH I

Continuation of SPA 1102, grammar review. Prerequisites & Notes: SPA 1102 or equivalent. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

SPA 2202 - INTERMEDIATE SPANISH II

Continuation of SPA 2201. Prerequisites & Notes: SPA 2201 or equivalent. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

SPA 2205 - PHONETICS AND PRONUNCIATION

A study of the speech organs, place and manner of articulation of Spanish phonemes and their phonetic realizations, along with extensive practice exercise on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to some Spanish dialects and regional pronunciation patterns. Prerequisites & Notes: SPA 1102 or equivalent; SPA 2201 or higher is preferred. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

SPA 2225 - SPANISH GRAMMAR REVIEW

SPA 2224 is a transition course between the intermediate and advanced level Spanish courses. It provides intensive Spanish grammar review and practice. It emphasizes the foundations of grammar and their expression in conversation, writing, and reading. In this course, students will increase their grammatical competency and command, as well as, work towards developing a more complex grammatical expression. Prerequisites & Notes: SPA 2201, SPA 2202 or permission of instructor. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Language other than English (Option 1), Global Awareness, Language and Literature

SPA 3300 - SPANISH CONVERSATION

Practice in oral self-expression and comprehension. Selected topics assigned for each class. Prerequisites & Notes: SPA 2202 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES

SPA 3301 is an upper level conversation course designed to move students from intermediate to advanced level oral proficiency. All class activities will focus on contemporary Hispanic issues and will consist of individual/group presentations, debate, and discussion. Prerequisites & Notes: SPA 2201, SPA 2202 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN

Examines the history of customs and institutions of Spain. Emphasizes the effect of history on general culture and customs of present-day Spain. Prerequisites & Notes: SPA 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA

Studies the history, customs and politics of Latin America. Emphasizes general characteristics: race, religion, life style, etc. Prerequisites & Notes: SPA 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

SPA 3310 - INTRODUCTION TO LITERARY STUDIES

SPA 3310 is an introductory course in literary studies. In this course, students will read a diverse but representative collection of short Peninsular and Latin American literary texts, concentrating on their form, creation, context, and meaning. As a result, students will develop better reading, critical thinking, and evaluative skills. Prerequisites & Notes: SPA 2202 or permission of instructor. Co-requisite - SPA 2225 Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy, Language and Literature

SPA 3320 - ADVANCED SPANISH STRUCTURE

Study and application of Spanish structural patterns; emphasizes syntax. Prerequisites & Notes: SPA 2202 or equivalent. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN

SPA 3351 is a Peninsular Literature course designed to enhance and refine the introductory literary skills gained in SPA 3310. As a topics course it will vary each semester in thematic focus. Nevertheless, one can expect to study in detail a particular era, writer, genre, or Peninsular literary phenomena. Some examples might include: The Medieval Text, Golden Age Theater, Cervantes, Becquer, The Realist versus Surrealist Text, The Works of Garcia Lorca, Literature of Exile, Feminist Voices in Spanish Literature, New Theater, or Avant-garde Movements. Prerequisites & Notes: SPA 3310 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA

SPA 3360 is a Latin American Literature course designed to enhance and refine the introductory literary skills gained in SPA 3310. As a topics course it will vary each semester in thematic focus. Nevertheless, one can expect to study in detail a particular area, writer, genre, or Latin American literary phenomena. Some examples might include: Latin American Parody, Journalism and Art Criticism in Latin America, the Avant-garde, Latin American Children's Literature, Feminist Voices in Latin American Literature, or Experimental Urban Theater. Prerequisites & Notes: SPA 3310 or permission of instructor. Credits: 3 cr. GenEd Req: Global Awareness, Language and Literature

SPA 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time. GenEd Req: Global Awareness, Language and Literature

SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION

Examines the nature and need of persons who are exceptional in emotional, social, physical, and intellectual development. Discussions will include key historical foundations, major legislation, laws and policies, identification procedures, placement options, current issues and trends in Special Education. Observations in Special Education settings are required. Credits: 3 cr. GenEd Req: Professional Elective

SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION

Examines the nature and need of persons who are exceptional in emotional, social, physical, and intellectual development, including the gifted and talented. Discussions will include career opportunities, social issues, current trends in Special Education, rehabilitation and related settings. Observation in Special Education settings will be available. Credits: 3 cr. GenEd Req: Professional Elective

SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS

This course is designed to prepare pre-service teachers with the skills to provide linguistically and culturally appropriate instruction, assessment, and learning opportunities for students identified as English Language Learners (ELL). We will examine current trends and issues in Second Language Acquisition (SLA), theoretical notions and research in the study of language acquisition, enculturation, acculturation, and cognitive development. Prerequisites & Notes: SPE 1001. Credits: 3 cr.

SPE 2300 - INSTRUCTIONAL PLANNING and DESIGN

Teacher education candidates will examine the components of curriculum development, content and adjustments. Students will develop knowledge and skills in goal development, instructional delivery options, and instructional planning for students in a variety of service delivery options. In addition, student will review the purposes of assessment in the curriculum development and modification process. Students will be required to interview a special education teacher and a special education administrator. Prerequisites & Notes: SPE 1001. Credits: 3 cr.

SPE 3270 - MENTALLY AND PHYSICALLY DISABLED

Introduction to etiology, characteristics, education, management, and laws pertaining to children and adults with mental and physical disabilities. Prerequisites & Notes: SPE 1101 or permission of instructor. Credits: 3 cr.

SPE 3275 - INCLUSION OF DIVERSE LEARNERS

This course is designed to prepare teacher candidates to teach in schools which are becoming diverse. Issues, which include gender, social class, race, ethnicity, disabilities and religion, will be discussed. The teacher candidate will develop skills in teaching pedagogy, assessment curriculum development and teacher student relationships. Credits: 3 cr.

SPE 3280 - CHILDREN IN NEED OF EMOTIONAL SUPPORT

Examines the etiology of emotional disturbance with concentration on the characteristics, diagnostic procedures, therapy, educational strategies, instructional materials, and relevant research in relation to the education of emotional/behavioral disturbance. Includes observation and child study experience. Credits: 3 cr.

SPE 3290 - LEARNING DISABILITIES

Introduction to the definition, identification, etiology, and epidemiology of learning disabilities with a particular emphasis on methods of differential diagnosis and educational procedure. Remediation strategies, classroom management, and research will be studied. Credits: 3 cr.

SPE 3291 - HIGH INCIDENCE DISABILITIES

The focus of this course will be on the specific disabilities that are considered to be high incidence in the field of special

education. In relation to these disabilities, particular attention will be given to the causation, inclusion (including legislation and documentation), instruction (both in general and special education) with needed modifications, and evaluation of progress related to the IEP. Highlights will include development of adaptations and accommodations, literacy skills development, and cognitive skills development. Prerequisites & Notes: SPE 1001. Credits: 3 cr.

SPE 3300 - CURRICULUM DEVELOPMENT & ADJUSTMENT

Examines curriculum development, adjustments, methods, and materials in Special Education. Studies IEP goals, school organization, grouping, planning unit instruction, teaching-learning process, evaluating pupil progress, and parent and other agency relationships. Prerequisites & Notes: SPE 3270 or permission of instructor. Credits: 3 cr.

SPE 3315 - LANGUAGE and COMMUNICATION DISORDERS

Teacher education candidates will develop an understanding of language and communication, language and communication disorders and strategies for assessing, enhancing, addressing augmentative and alternative communication and using those strategies in the classroom for students with sensory, language and communication disorders. A field component will be required - observation and interview. Prerequisites & Notes: SPE 1001. Credits: 3 cr.

SPE 3351 - BEHAVIOR MANAGEMENT

Studies the implications of behavior theory as classroom teaching techniques. Conditioning of both academic skills and non-academic behaviors on an individual and group is stressed. Direct experience in modifying the behavior of exceptional children will be arranged. Credits: 3 cr.

SPE 3352 - ASSESSMENT and EVIDENCED BASED BEHAVIOR SUPPORT FOR INCLUSION

This course is intended to expose students to three knowledge areas in order to facilitate inclusion: requirements in assessing the educational needs of children who may require special education services, awareness of social/emotional development and the skills required to establish a positive behavioral support classroom environment. Both process (informal assessment) and product (formal assessment) will be considered. For positive behavior support; functional assessment/functional analysis, antecedent control techniques and reinforcement will be emphasized. Prerequisites & Notes: SPE 1001. Credits: 3 cr.

SPE 3370 - EARLY CHILDHOOD DISABILITIES

Examines the nature, needs, and education of young children with disabilities in infant-toddler, preschool, and primary programs. Emphasis will be on identification, multi-disciplinary educational planning, parent counseling, agencies, and services. Coverage will include special classes, resource rooms, and mainstream education including curriculum, methods, and materials plus the roles of other professionals. Observations and child studies are required. Prerequisites & Notes: Permission of instructor. Credits: 3 cr.

SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION

Provides students with the skills necessary to diagnose and correct learning problems. Special attention is given to considerations

related to the selection of appropriate formal tests (e.g., test bias). Selective diagnostic instruments are examined. Prerequisites & Notes: SPE 1101. Credits: 3 cr. GenEd Req: Information Literacy

SPE 3390 - METHODS FOR INDIVIDUALS WITH MILD DISABILITIES

Provides organizational procedures, curriculum practices, methods and techniques used in educating mildly handicapped students K-12 in need of academic learning support. Emphasis is on direct teaching, collaborative practices, transitional planning, and curriculum adaptation. Prerequisites & Notes: SPE 1101 and SPE 3300. Credits: 3 cr.

SPE 3400 - BECOMING A PROFESSIONAL: SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL

A pre-student teaching intensive field experience course. Students will demonstrate knowledge, skills, and dispositions in pr-k-4th grade education. Field experiences will be marked by attentions to candidate reflection, continuous learning, research-validated and ethical practices, advocacy for children knowledge and understanding of diversity, collaboration with others, adapting instruction to individual student learning differences, and commitment to professional standards and growth. Prerequisites & Notes: ELE-2800 and 60 earned credits. Credits: 3 cr. Dual Listed/Cross Listed: ELE-3400 GenEd Req: Information Literacy

SPE 3552 - ADVANCED EVIDENCE - BASED BEHAVIOR MANAGEMENT

This course content will rely heavily on evidence-based practices from the field of applied behavior analysis. The strategies for addressing behavior concerns in the classroom will emphasize research-documented positive behavioral supports, including antecedent control techniques and discrimination training. A tiered intervention approach will be presented to respond to the intensity of the behavioral concern. Field application of the behavior principles will be arranged. Prerequisites & Notes: SPE 1001. Credits: 3 cr.

SPE 4400 - STUDENT TEACHING

(By arrangement). Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience under the supervision of master teachers in two different special classes in university established centers. Observations and conferences are scheduled by the departmental supervisor. Credits: 12 cr.

SPE 4400L - SENIOR LAB: BECOMING A PROFESSIONAL

This lab is designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career. Credits: 0 cr.

SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED

Observation and participation in classroom setting. Emphasizing teaching/learning process, selecting, organizing, and presenting lessons and materials. Projects and demonstrations required. Prerequisites & Notes: SPE 1101. Co-requisites: SPE 3351, ELE 3383 and ELE 3384. Credits: 3 cr. GenEd Req: Information

Literacy

SPE 4430 - TECHNOLOGY IN SPECIAL EDUCATION

Introduction and overview of the possibilities provided by microcomputers in assisting the exceptional learner. Provides initial skill and knowledge in using the microcomputer. Exposure will be made to available resources, selection and evaluation of course ware, adaptive devices, curriculum, correlation, and classroom integration. Credits: 3 cr.

SPE 4440 - INSTRUCTIONAL STRATEGIES FOR LOW INCIDENCE DISABILITIES

Teacher education candidates will study the nature and needs of children with moderate to severe disabilities. Focus will be on the educational and transitional needs of these candidates. The teacher education candidates will develop knowledge and skills in identification, assessment, educational techniques and strategies which are coupled with supportive measures, materials and techniques. Use instructional adaptations such as assistive technology will be stressed. A field component will be required.

Prerequisites & Notes: SPE 1101 and SPE 3300. Credits: 3 cr.

SPE 4445 - ADVANCED INSTRUCTIONAL METHODS IN SPECIAL EDUCATION

This course provides an in-depth look at the assessment-instruction cycle and effective teaching-learning strategies that will benefit the learning of children with disabilities in the various service delivery options. Students will develop assessment and remediation strategies to monitor children's academic progress. Field component required. Prerequisites & Notes: SPE 1001 and SPE 2300. Credits: 3 cr.

SPE 4450 - INTERNSHIP

A supervised field experience in a professional setting serving individuals with disabilities. Credits: 12 cr.

SPE 4460 - PROFESSIONAL SEMINAR

Designed to develop and refine the professional competencies of the special education major prior to the field experience and/or accepting a professional position. Coverage includes general orientation to the profession, current issues, school organization and administration, techniques for seeking a professional position, the scope of the field of special education, and professional responsibilities. Credits: 2 cr.

SPE 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

SWK 1500 - SOCIAL WORK AND POPULAR CULTURE USING MOVIES

Analyzes the Social Work profession as portrayed in popular culture. Popular culture will be explained and defined. The most current theories will be used to give the courses context. Several movies representing popular culture will be viewed in order to synthesize the theories as they are applied to Social Work. Credits: 3 cr.

SWK 1800 - INTRODUCTION TO SOCIAL WORK

Introduces students to the profession of Social Work. Provides an overview of social work by familiarizing the students with a generalist perspective and includes issues such as diversity, populations at risk, and the values and ethics of the profession. Examines the history of the profession, social welfare policies, economic justice, and human behavior theories that are related to social work practice. Credits: 3 cr.

SWK 2246 - PROFESSIONAL IDENTITY AND PRE-PRACTICE EXPERIENCE

Builds upon the basic knowledge, values and ethics learned in introductory course with a student initiation into Social Work practice. Course components include: an overview of the program curriculum and degree requirements, content about professional values and behavior, and the application of communication techniques and basic helping skills that will ground students in generalist practice. Analysis of the ethical principles of the National Association of Social Workers will engage students in ethical-decision making. Exploration of the dynamic context of practice requires the completion of a 30-hour shadow observation in a social work setting. Credits: 3 cr.

SWK 2249 - PROFESSIONAL COMMUNICATION SKILLS

Familiarizes students with the use of communication skills in professional social work, including written, verbal, and non-verbal communication. Exposes students to APA style writing, library resources, and an introduction to verbal and non-verbal communication with clients. Requires the completion of an early field education experience. Credits: 1 cr. GenEd Req: Information Literacy

SWK 2500 - DIVERSITY IN AMERICAN SOCIAL WELFARE

Examines the history and evolution of social welfare, the social work profession, and social movements that led to the formation of social welfare laws and services. There is a strong focus on diversity and at risk populations through exploring the factors that may oppress, marginalize, and discriminate these populations. This course recognized and communicates the importance of personal life experiences in understanding power and privilege of diverse groups in the formation of social welfare. Credits: 3 cr.

SWK 3300 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT

Focuses on the reciprocal relationships between human behavior and social environments. Includes empirically based theories and knowledge that focus on the interactions between and among individuals, groups, societies, and economic systems. Includes theories and knowledge of biological, sociological, cultural, psychological, and spiritual development across the life span; the range of social systems in which people live (individual, family, group, organizational, and community); and the ways social systems promote or deter people in maintaining or achieving health and well-being. Credits: 3 cr.

SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I

The course focuses on the reciprocal relationships between human behavior and social environments prenatally to young adulthood. It includes empirically based theories and knowledge that analyzes interactions between and among individuals,

groups, societies, and economic systems through assessment, intervention and evaluation. It critiques theories and knowledge of biological, sociological, cultural, psychological, and spiritual development; and the ways social systems promoted or deter people in maintaining or achieving health and well-being. Prerequisites & Notes: 45 earned credits. Credits: 3 cr.

SWK 3302 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II

The course focuses on the reciprocal relationships between human behavior and social environments from young adulthood to death. It includes empirically based theories and knowledge that analyzes interactions between and among individuals, groups, societies, and economic systems through assessment, intervention and evaluation. It critiques theories and knowledge of biological, sociological, cultural, psychological, and spiritual development; and the ways social systems promote or deter people in maintaining or achieving health and well-being.

Prerequisites & Notes: 45 earned credits. Credits: 3 cr.

SWK 3308 - EVALUATION RESEARCH

Provides an understanding of a scientific, analytic, and ethical approach to building knowledge for social work practice through qualitative and quantitative research content. Prepares students to develop, use, and effectively communicate empirically based knowledge and critical thinking skills, including evidence-based interventions. Credits: 3 cr. GenEd Req: Information Literacy

SWK 3315 - EVOLUTION OF SOCIAL WELFARE IN AMERICA

Analyzes the history and evolution of social welfare services, the history of social work and major policies that form the foundation of social welfare. Includes the impact of social welfare on populations at risk and examines factors that contribute to and constitute being at risk. Provides knowledge of distributive justice, human and civil rights, and the global interconnections of oppression. Credits: 3 cr.

SWK 3320 - GERONTOLOGY

Provides students from a variety of careers (such as social work and psychology) with an introduction to gerontology. Emphasizes a person-in-environment perspective to interacting with older persons and includes a practice-based component. Provides an opportunity for students to practice interaction skills with older persons. Offers current implications of aging in our complex, and increasingly older, modern society. Prerequisites & Notes: SOC 1101. Credits: 3 cr.

SWK 3321 - CHILD WELFARE

Introduces students to the field of child welfare in social work. Students will explore issues affecting the lives of children in the United States and current services developed to meet children's needs. The course is taught from a systems, strengths-based perspective. Credits: 3 cr.

SWK 3322 - INTRODUCTION TO TRAUMA IN SOCIAL WORK

Introduces students to the issue of trauma and trauma treatment at both an individual and systems level. Emphasis is placed upon the variety of variables which both contribute to and are impacted by trauma. Analysis of key factors such as psychobiology, central

nervous system involvement, impact and implication on intra psychic functioning, attachment and bonding, as well exploration and discussion around dynamics such as hyper vigilance, hyper arousal, re-enactment, repetition compulsion, flashbacks, intrusive thoughts, and disassociation will be explored at length. Students will be trained in an “injury” model of assessment and treatment, with an emphasis on expanding the ability to think critically relative to these core functions, and the range of evidenced based interventions be introduced, from which students will learn to integrate the various models and apply theory to practice. The issue of ethics in treatment will be interwoven throughout, as well as the principle and practice of self-care for the worker. Prerequisites & Notes: SWK 1800 and 45 earned credits. Credits: 3 cr.

SWK 3323 - LEADERSHIP IN SOCIAL WORK

Analyzes the variety of leadership roles available within the social work industry, with emphasis being placed upon leadership in the private, not-for-profit sector. Various models of leadership and leadership theory will be introduced, and students will examine the unique role social work leaders play in the human service field and differentiate this from leadership in other venues. Critical analysis and didactic learning around such key factors as strategic planning, supervision, human resource management, and fiscal planning will be addressed, as well as the ethical considerations and implications inherent in leadership in Social Work. Prerequisites & Notes: SWK 1800 and 45 earned credits. Credits: 3 cr.

SWK 3324 - SOCIAL WORK AND HEALTH CARE

Focuses on the application of social work in a variety of health care settings and is designed to develop a beginning knowledge of: medical terminology, physiology, health care systems and insurance issues, community factors, the effect of illness and disease on the patient and family members, cultural and ethical issues. Critical practice issues considered will include theories of health behaviors, patient's rights, assessment and intervention, religion, sexuality and social problems that affect health care. Class activities, group exercises and case studies will encourage students to exhibit skills of problem-solving and effective communication with both clients and other members of the health care team. Prerequisites & Notes: SWK 1800 and 45 earned credits. Credits: 3 cr.

SWK 3325 - PSYCHOPATHOLOGY AND SOCIAL WORK PRACTICE

Analyzes issues and intervention strategies of social workers in a variety of settings regarding mental illness. Understanding mental disorders from a social work perspective will organize the course. Problems frequently presented, treatment alternatives, interdisciplinary practice and ethical issues will be covered. Knowledge of psychopharmacology and roles social workers play in medication management will be examined. Prerequisites & Notes: SWK 1800 and 45 earned credits. Credits: 3 cr.

SWK 3326 - SOCIAL WORK AND CASE MANAGEMENT

Analyzes issues and intervention strategies of social workers in a variety of settings requiring case management. Principles of case management, problems frequently encountered, interdisciplinary practice and ethical issues will be covered. Knowledge of case

management and roles social workers play in it will be examined. Prerequisites & Notes: SWK 1800 and 45 earned credits. Credits: 3 cr.

SWK 3330 - SOCIAL POLICY

Provides knowledge and skills to understand major social policies that form the current structure of social welfare services and the role of policy in service delivery, social work practice and attainment of individual and social well-being. Analyzes and researches organizational, local, state, national, and international issues in social welfare policy and social service delivery. Prepares students to influence, formulate and advocate for policy, consistent with social work values, as a means of alleviating poverty, oppression and other forms of social and economic injustice. Credits: 3 cr.

SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with GROUPS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances. Prerequisites & Notes: Social work candidacy. Credits: 3 cr.

SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with COMMUNITIES AND ORGANIZATIONS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances. Prerequisites & Notes: Social work candidacy. Credits: 3 cr.

SWK 3352 - SOCIAL WORK PRACTICE WITH FAMILIES

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with FAMILIES, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of

communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances. Prerequisites & Notes: Social work candidacy. Credits: 3 cr.

SWK 3353 - SOCIAL WORK PRACTICE WITH INDIVIDUALS
Focuses on ethical practice content that encompasses values, knowledge, and skills to work with INDIVIDUALS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances. Prerequisites & Notes: Social work candidacy. Credits: 3 cr.

SWK 3452 - CHILD WELFARE PRACTICUM
Students enrolled in the Child Welfare for Baccalaureates Program (CWEB) will complete a 475 hour practicum in a child welfare agency which meets the requirement of the state CWEB Program, reinforces students' identification with the purposes, values, and ethics of the field of social work in child welfare, fosters the integration of empirical and practice-based knowledge, and promotes the development of professional competence for child welfare social work practice. Prerequisites & Notes: Enrollment in the CWEB Program. Co-requisites: SWK 3321. Credits: 1 cr.

SWK 4452 - FIELD EDUCATION
Provides a 500 hour supervised field placement in an agency setting. Field education reinforces students' identification with the purposes, value, and ethics of the profession, fosters the integration of empirical and evidenced based practice knowledge, and promotes the development of professional competence for generalist social work practice. Field Education incorporates a Capstone paper and presentation, which represents the culminating assignment for the Social Work program, and is designed to focus on the integration of the curriculum with the Field Education experience. Prerequisites & Notes: Completion of all SWK major required courses with the exception of SWK 4453, and the acceptance of the Field Education Application by the Faculty Evaluation Committee. Co-requisite: SWK 4453. Credits: 12 cr.

SWK 4453 - FIELD SEMINAR
Taken concurrently with SWK 4452, this seminar integrates the field experience with the knowledge, values, ethics, and skills of the social work profession for competent generalist practice. Prepares students for active participation in the process of supervision and addresses issues of diversity, populations at risk, and social and economic justice. Prerequisites & Notes: Co-requisite: SWK 4452. Credits: 3 cr.

SWK 4497 - INDEPENDENT STUDY
Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic

discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

THT 1110 - INTRODUCTION TO THEATER
Survey of drama and the art and craft of the theater. Content doesn't necessarily include practice in applied theater. Credits: 3 cr. GenEd Req: Fine Arts

THT 2212 - FUNDAMENTALS OF ACTING I
Introduces basic techniques and methods of acting. Designed for the beginning actor. No previous acting experience is necessary. Credits: 3 cr.

THT 2214 - MAKE-UP
Designed to familiarize the student with the basic principles and technique of stage make-up, the various types of make-up and how to apply it in order to enhance a dramatic characterization. Credits: 3 cr.

THT 2220 - PRINCIPLES AND TECHNIQUES OF STAGECRAFT AND LIGHTING
The practical study of methods and techniques in two of the most visual components of the musical theatre stage. A "hands-on." practical experience in: stagecraft, scenic construction as well as lighting the finished set, with equal emphasis on each. Course is offered in conjunction with Music & Theatre Department's main stage musicals or other productions. Credits: 3 cr.

THT 3210 - DESIGN AND PAINTING FOR THE STAGE
Concentrates on the principles and elements of design as well as their application and interrelationship across the basic disciplines of Stage Scenery and Stage Lighting. Credits: 3 cr.

THT 3305 - THEATER HISTORY I
The development of the theater from its primitive origins to the Renaissance. Western and Non-Western forms will be examined. Credits: 3 cr.

THT 3306 - THEATER HISTORY II
The development of the theater from the Renaissance to the present. Western and Non-western forms will be examined. Credits: 3 cr.

THT 3310 - FUNDAMENTALS OF DIRECTING
Basic principles and procedures of directing a play. Includes directing or workshop scenes and a one-act play presented to a public audience. Prerequisites & Notes: THT 2210, THT 2212, THT 3305, THT 3306 and permission of instructor. Credits: 3 cr.

THT 3314 - PLAY PRODUCTION PRACTICES
Concentrates on the various aspects of theater production from script to performance. An intensive experience in theatrical production for public performance. Synthesis of acting, design, technical and managerial elements in total production with emphasis on "hands-on" experience. Credits: 3 cr.

THT 3320 - PRODUCING THE MUSICALS
A practical study of methods unique to producing the musical. Course covers all aspects of production from play selection to opening night, with particular emphasis on technical production, backstage management, and staging. Credits: 3 cr.

THT 4412 - MUSICAL THEATRE

A study of Musical theatre, its history and creative elements. Students will develop critical awareness of the differences between traditional and musical theatre by becoming actively involved in reading, observing, and analyzing musicals. Credits: 3 cr.

THT 4450 - SPECIAL PROJECTS

A project initiated by the student to increase his/her knowledge in an advanced area not offered as a regular class. Intensive study of a subject area under the guidance of a faculty member who has special expertise in that subject. Prerequisites & Notes: Permission of instructor. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits not to exceed 9 credits.

THT 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

TRT 1102 - INTRODUCTION TO TRAVEL-TOURISM

Surveys the broad nature of travel-tourism with an emphasis on the interrelationships between traveler need, desire, and travel fulfillment. Credits: 3 cr. GenEd Req: Global Awareness, Professional Elective

TRT 2201 - COMPUTERIZED RESERVATIONS, TICKETING, TRAVEL AGENCY OPERATIONS

Acquaints student with computerized airline reservations and ticketing procedures including domestic and international route structures, fare rules and construction, industry airline reference materials, and operations of airline computerized reservation systems. The student will also study the travel agency: its personnel, operations, and management. Credits: 3 cr.

TRT 3300 - THE TRAVEL CONSUMER

Provides students with a comprehensive understanding of the traveler-tourist characteristics, psychographics, and the external influences that impact on potential markets for travel-tourism products. Prerequisites & Notes: 25 earned credits. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

TRT 3312 - INTERNATIONAL TOURISM

Studies the international tourist and the ramifications of such tourism to both sending and host countries. Credits: 3 cr. GenEd Req: Global Awareness

TRT 3321 - WORLD-WIDE DESTINATIONS ATTRACTIONS

Acquaints the student with the world-wide travel destinations, attractions, and attractiveness. Study of the marketing and promotion of these destinations. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

TRT 3322 - TRAVEL-TOURISM SITE DEVELOPMENT

An analysis of natural/manmade tourism resources of value in travel tourism. The development of resources into viable facilities will be considered in the contexts of changing socioeconomic and political considerations. Credits: 3 cr.

TRT 3350 - HOTEL AND RESORT MANAGEMENT AND OPERATIONS

Exploration of the history, extent and nature of the contemporary hotel and resort industry. Specialized topics such as hotel sales and marketing, planning and development, food and beverage, recreation programming, personnel and security will also be emphasized. Prerequisites & Notes: 25 earned credits. Credits: 3 cr.

TRT 4410 - TOPICAL SEMINAR IN TRAVEL-TOURISM

Seminar topics vary to offer exposure to the multifaceted nature of travel-tourism. Topics include: the travel agency, wholesale tour development, issues in contemporary travel and tourism, and hospitality. Credits: 3 cr.

TRT 4430 - TOURISM SUPPLIERS AND WHOLESALERS

A comprehensive study of travel-tourism suppliers, especially accommodations, food services, and the ground operators followed by a study of the wholesale travel business including personal experience in package/tour development and marketing. Prerequisites & Notes: 25 earned credits. Credits: 3 cr.

TRT 4450 - TOURISM RESOURCES MANAGEMENT

Description, planning, maintenance and protection of natural resource based tourism attractions including the management of human impacts and use of such resources. Credits: 3 cr.

TRT 4460 - PASSENGER TRANSPORT

An analysis of spatial principles and transport systems and networks; including factors of route location, theories of interaction, and the role of all forms of passenger transport in the travel-tourism economy. Credits: 3 cr.

TRT 4480 - CONTEMPORARY ISSUES TRAVEL TOURISM

Survey of contemporary issues that are faced by the travel and tourism industry. Students become familiar with the issues through intensive study of the popular and trade press. Credits: 3 cr. GenEd Req: Global Awareness, Information Literacy

TRT 4494 - INTERNSHIP

Provides an opportunity to apply skills and knowledge of travel-tourism under the supervision of professionals. Two individually designed projects are required. Prerequisites & Notes: Permission of instructor. Credits: 1 - 15 cr. Notes: May be taken from 1 through 15 credits.

TRT 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

UNV 1100 - FIRST YEAR SEMINAR

This course introduces first year students to the University and encourages students to become engaged members of the University learning community. The course asks students to explore the context of the Mansfield University undergraduate experience through the perspectives of selected liberal arts disciplines and their own learning community participation. It also helps students explore the means by which they can succeed

at the University and how to use the various support services of the University. Credits: 1 cr. GenEd Req: General Education Core

WLC 2500 - INTRODUCTION TO PARIS

This course is an introduction to everyday life in Paris, at once a global modern city and a living museum. Paris is a vibrant culture and commercial hub and the academic place of excellence in France, a city of continuity and change, of love and conflicts - the home of expatriates, artists, romantics, and revolutionaries of every kind. We will study the history and geography of Paris and trace the city's evolution, from its Roman arena to its Eiffel Tower, from the Louvre's medieval foundations to its ultra-modern glass pyramid. We will look at architecture, painting, sculpture, music, literature, film, and popular culture and study how they express ways of life over the centuries. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2)

WLC 2510 - INTRODUCTION TO GERMAN FILM

This course is taught in English and introduces students to film as a mirror of German culture, offering a cross-section of typical sociopolitical and cultural themes. Topics might include Expressionist films and their relation to art and literature, films from divided Germany with perspectives from West and East, films about coming to grips with the Nazi German past, and trends in German cinema since the reunification in 1990. Students will become acquainted with some of the important figures in German films and will examine contemporary issues in society via the film medium. Evaluations include class discussion, reaction papers, quizzes, exams, and projects. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2)

WLC 2520 - INTRODUCTION TO LATIN AMERICAN CULTURES

This course will expose students to the major cultural transformations that have shaped the development of many of the Latin American civilizations from the pre-Columbian period to the present. Course topics may include Ancient Americas, the Conquest, the Colonial World, the creation of the Nation State, Globalization, and Intervention and Diaspora. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Global Perspectives - Western and Non-Western Global Cultures (Option2)

WLC 3300 - PHONETICS AND LANGUAGE STRUCTURES

This course is a general introduction to phonetics and language structures, open to all students and taught in English. Students can expect to study the speech organs and how this knowledge helps to articulate and pronounce foreign language words with more precision and better sentence rhythm, and they will learn how to use the International Phonetic Alphabet. The themes of this class may also include: communication systems, common language structures, language dialects, regional pronunciation patterns, word and sentence structures, origins of puzzling phenomena in English, language acquisition, and identity. Credits: 3 cr.

WLC 3310 - LITERATURE IN TRANSLATION

In this course, students will explore the cultures of the French, German and Spanish speaking worlds by reading a representative selection of literary works in translation. Students can expect to read, study, and discuss a representative sample of translated texts in all of these languages and in all of the major literary genres.

A variety of themes will be covered in this course, some of which include: gender, mythology, sports, voices of resistance, stereotyping, modernity, family, immigration, diaspora, civil rights, etc. Throughout the course, students will reflect on cultural differences in thought, aesthetic style, and thematic emphasis. Prerequisites & Notes: ENG 1112. Credits: 3 cr.

WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

Cross-disciplinary and cross-cultural examination of the ways that language, images, and socialization have constructed women's roles. Examines contemporary women's issues (work and family, sexuality, violence against women), as well as the women's movement and the role of women artists. Emphasis is on students (both female and male) working to discover the impact of these roles and issues in their own lives as well as in the larger world. Credits: 3 cr. GenEd Req: Unity and Diversity of Humanity – Themes - Ethics and Civic Responsibility, Humanities

WS 4410 - SEMINAR IN WOMEN'S STUDIES

An in-depth examination of a topic in Women's Studies including women's contributions, knowledge, and perceptions taught from a cross-disciplinary, cross-cultural perspective in seminar style. This serves as the capstone course for the Women's Studies minor. Prerequisites & Notes: WS 1100, two other Women's Studies courses, and junior standing or permission of instructor. Credits: 3 cr. Notes: May be taken for a total of 9 credits.

WSM 1600 - INTRODUCTION TO WATERSHED MANAGEMENT

This introductory course explores important processes, concepts, and approaches to watershed management and assessment. Topics include: delineation of watersheds; movement of surface and sub-surface water; and the interaction of water, land and biota. This class is appropriate for anyone interested in the environment and water resources. Field work is required. Credits: 3 cr. GenEd Req: Approaches to Knowledge – Natural and Physical Sciences, Professional Elective

WSM 3020 - PRACTICUM

An out-of-class learning experience that allows students to observe or participate in applied work. Practicums are graded S or U - they do not affect your GPA. Prerequisites & Notes: Permission of instructor. Credits: 1-5 crs. Notes: May be repeated for a total of five credits.

WSM 3500 - WATERSHED RESTORATION

An advanced course in Watershed Management that covers various aspects of watershed restoration including: what it is, how its accomplished, and who carries it out. Also covers the scientific approach to watershed assessment and the role of public education in restoration activities. Field work is required. Prerequisites & Notes: WSM 1600. Credits: 3 cr. GenEd Req: Professional Electives

WSM 3512 - WETLAND IDENTIFICATION and MANAGEMENT

This course allows students to gain an understanding of wetland identification using the U.S. Army Corps of Engineers manual along with learning the value of wetland management. Wetland-related topics include: identification, delineation, mapping, permitting issues, policies, management and protection. Field work outside of normal class time is required. Credits: 2 cr.

WSM 3522 - WATERSHED POLICIES and ETHICAL ISSUES

This course covers policy and ethical issues pertaining to watershed management. Topics include pertinent regulations, court decisions, and ethical concerns as well as the environmental and social aspects of water use. Prerequisites & Notes: WSM 1600. Credits: 1 cr.

WSM 4496 - INTERNSHIP

Offers practical work experience and the opportunity to apply and to further develop appropriate skills. All internships will be grades S or U - they do not affect your QPA. Prerequisites & Notes: Permission of Instructor. Credits: 6 - 12 cr.

XRT 1101 - X-RAY TECHNOLOGY I

Course content provides an introduction to the basic elements of radiologic technology. Students will discuss and evaluate medicolegal issues, professionalism in radiology, radiation protection practices, and radiologic terms. This course is a professional course within the Radiology Technology curriculum and radiology students are given preference. With instructor permission, course enrollment is open to any university student. Prerequisites & Notes: Prerequisites or Co-requisites: BSC 1121, ENG 1112, MA 1128 and COM 1101. Credits: 3 cr.

XRT 1102 - X-RAY TECHNOLOGY II

The goal of this course is to present a basic introduction to imaging equipment operation and concepts of patient care. Students will also learn radiographic examination considerations for the extremities, spine, shoulder girdle, pelvic girdle and bony thorax. Prerequisites & Notes: Prerequisites: BSC 1121, MA 1128 and XRT 1101. Co-requisites: BSC 1122, XRT 1107, XRT 1108 and XRT 3301. Credits: 3 cr.

XRT 1103 - X-RAY TECHNOLOGY III

Course content acquaints the student with the methods of image processing and principles of radiation biology. Emphasis will be placed on radiographic examinations of the biliary, urinary, and digestive systems. Pediatric radiography is also presented. Drug pharmacology, radiographic contrast media, and image analysis will be discussed. Prerequisites & Notes: XRT 1102. Co-requisite: XRT 3302. Credits: 5 cr.

XRT 1104 - X-RAY TECHNOLOGY IV

Course content acquaints students with the principles of radiographic exposure. Emphasis will be placed on radiographic examinations of the cranium, mobile radiography, and trauma radiography. Students will continue to study image analysis and review introductory radiographic concepts presented in previous professional courses. Prerequisites & Notes: XRT 1103. Co-requisites: PSY 1101, SOC 1101, XRT 2203 and XRT 3303. Credits: 3 cr.

XRT 1105 - X-RAY TECHNOLOGY V

This course includes the study of pathology and disease, basic contrast studies, vascular interventional procedures, and quality assurance. Prerequisites & Notes: XRT 1104. Credits: 3 cr.

XRT 1106 - X-RAY TECHNOLOGY VI

The purpose of this course is to review the knowledge and skills underlying the performance of the major tasks typically required of an entry-level diagnostic radiographer. Students will also become familiar with the basic concept of technical reporting and

evaluation. Prerequisites & Notes: XRT 1105. Credits: 4 cr.

XRT 1107 - FUNDAMENTALS OF RADIOLOGIC SCIENCE AND HEALTH CARE

Content is designed to provide an overview of the foundations in radiography and the practitioner's role in the health care delivery system. Principles, practices and policies of the health care organization(s) will be examined and discussed in addition to professional responsibilities of the radiographer. Prerequisites & Notes: XRT 1101. Co-requisites: BSC 1122, XRT 1102, XRT 1108 and XRT 3301. Credits: 1 cr.

XRT 1108 - MEDICAL TERMINOLOGY FOR THE RADIOGRAPHER

Students will be introduced to the origins of medical terminology and the word-building system used in the medical field. The words abbreviations, and symbols used in the medical environment will be discussed. An orientation to the understanding of radiologic orders and interpretation of diagnostic reports will be addressed through the related terminology. Prerequisites & Notes: XRT 1101. Co-requisites: BSC 1122, XRT 1102, XRT 1107 and XRT 3301. Credits: 2 cr.

XRT 1109 - DIGITAL IMAGE ACQUISITION and DISPLAY

Content is designed to impact an understanding of the components, principles and operation of digital imaging systems found in diagnostic radiology. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluation images within a digital system assist students to bridge between film-based and digital imaging systems. Principles of digital system quality assurance and maintenance are presented. Prerequisites & Notes: XRT 1102, XRT 1107, XRT 1108 and XRT 3303. Co-requisites: XRT 1103 and XRT 3302. Credits: 1 cr.

XRT 2203 - X-RAY PHYSICS

This course will provide the student with knowledge of basic radiologic physics. Atomic theory, nature and characteristics of radiation, x-ray production, and fundamentals of photon interactions with matter are discussed. Credits: 3 cr.

XRT 3301 - CLINICAL PRACTICUM I

The main purpose of this course is to familiarize students with the proper operation and utilization of modern diagnostic radiologic equipment. Initially students will receive a general orientation regarding clinical facilities and policies. While under the direct supervision of clinical faculty and registered radiographers, students will perform the radiographic examinations presented in course XRT 1102. Students are required to demonstrate and practice the competencies included in the course goals and objectives. Prerequisites & Notes: XRT 1101. Credits: 2 cr.

XRT 3302 - CLINICAL PRACTICUM II

Students will practice the competencies acquired in the previous clinical practicum and begin working towards achieving competency for examinations presented in course XRT 1103. Clinical rotations will begin in the areas of mammography, operative radiology, computed tomography and ultrasound. Students are required to demonstrate and practice the competencies, which are included in the course goals and objectives. Prerequisites & Notes: XRT 1102 and XRT 3301.

Credits: 2 cr.

XRT 3303 - CLINICAL PRACTICUM III

Students will continue to practice the competencies acquired in previous clinical courses while working towards achieving competency for examinations of the skull. Emphasis will be placed on examinations from courses: XRT 1102, XRT 1103 and XRT 1104. Clinical rotations will begin in nuclear medicine. Students will also begin an evening clinical rotation which emphasizes trauma radiography. Students are required to demonstrate and practice the competencies which are included in the course goals and objectives. Prerequisites & Notes: XRT 1103 and XRT 3302. Credits: 2 cr.

XRT 3304 - CLINICAL PRACTICUM IV

Students will have the opportunity to demonstrate competency on general diagnostic examinations of most systems of the body, while continuing to practice the competencies acquired in previous clinical courses. Clinical rotations will begin in the areas of magnetic resonance imaging, radiation therapy, and vascular interventional radiography. Students are required to demonstrate and practice the competencies, which are included in the course goals and objectives. Prerequisites & Notes: XRT 1104 and XRT 3303. Credits: 3 cr.

XRT 3305 - CLINICAL PRACTICUM V

During this final clinical practicum, students will complete clinical assignments that require the demonstration of competency in a wide variety of general diagnostic, entry-level radiographic examinations. Students will have a final opportunity to practice competencies achieved in previous clinical practice. Students are required to demonstrate and practice the competencies included in the course goals and objectives. Prerequisites & Notes: XRT 1105 and XRT 3304 or Co-requisite: XRT 1106. Credits: 2 cr.

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FACULTY

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Arango-Keeth, Fanny (2002). B.A., Universidad Ricardo Palma, Ph.D. Arizona State University. 1996, Associate Professor, English and Modern Languages.

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Battin, Joshua (2011) B.A. Edinboro University, 2006; M.A. Indiana University of Pennsylvania, 2007; Assistant Professor Criminal Justice Administration.

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Blanco, Flor (1988). B.A. 1972, M.A. 1974, City University of New York; Ph.D., University of Connecticut, 1986. Associate Professor, English and Modern Languages.

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Chabala, William (1976). B.S. 1971, M. Ed. 1976, Kutztown State College. Associate Professor, Academic & Human Development.

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Lapps, Vernon A., Ph.D., Ohio University	Wunderlich, Charles E., Ph.D., University of Michigan
Largey, Gale, Ph.D., SUNY Buffalo	Wunderlich, Joyce C., D.A., Carnegie-Mellon University
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*Note: Dr. James Y. Glimm was posthumously granted Emeritus Status on 3/22/01. Professor Michael Vayansky was posthumously granted Emeritus Status on 11/18/09

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